

SEQUENCE LISTING

<110> Young, Paul

<120> Process for Identifying Anti-Cancer Therapeutic Agents Using
Cancer Gene Sets

<130> 689290-76

<150> US/60/233,617

<151> 2000-09-18

<150> US/60/234,052

<151> 2000-09-20

<150> US/60/234,923

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<151> 2000-09-26

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<150> US/60/235,840

<151> 2000-09-27

<150> US/60/235,863

<151> 2000-09-27

<160> 2276

<170> PatentIn version 3.0

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<212> DNA

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 tgtggttgtg tgttggtggc cacagctgag cctctgtcac cagagaaggc tgaggcccaa 240
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 ccctctcgca ccctttgcc aacagtttgt ctccaatttc aaactgacct aaggctctta 360
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 cgcangan gn gggagttccc ctttaggagt ctcaacttct gctgggcatt tctgggcttc 180
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 ctgctgcgtg gctgctgtga ggctcccat gaatccacgc agtcttcttc ctcaactggtg 180

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attaaaccct tccaggattg ccatcaagct tcccgagatg gccaggggcaa ngaaagaatc 180
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tcagtggcag agggccatgg tttccatggt aaggaaagcg acgtgcatct tgggtctcaat 240
gtcgatcccc tgccagatct tcaggaagtc ctogaagggt atccccctgt acacctgatc 300
aggctccatc ttgccccatg cacacgctgg ccgcctccat catggccccc tgggcgatgg 360
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atttcgagg 429

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<212> DNA
<213> Homo sapiens

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tttatacaac agaaatgttg acagaaattg ctgtagttta ggggtgaagt actgtatgat 180
gggcagcaat catgtattaa cttacgaagg ggaaattgaa atatagggac cgaatttggt 240
tttatcagtt tccagagtac tgctgccaac ctagacactg atttttcaga gtttgaaatg 300
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ctgttgtgaa	acatgacaga	ttgcccaagt	gttatttttc	ctctattgga	aaattctaag	180
acgtttcctc	atgtgtagtt	tttcagtcac	aaaaatggca	gtaggaatat	ttaaataatta	240
aatcacagtt	tgaaaataga	tacatacata	catatatata	cacacacaga	gatacatagt	300
tgacttatga	ttcccagata	tgcagggtta	tcattgtgac	tgcttggatc	aagacaagtt	360
tgtaaaaagc	agcgacatag	ttcaacataa	tagtcaggag	ctagattact	tccctgtaat	420
tgctatgcac	acacagtaca	aggctagcga	gattatagac	aatctgtctt	cgaatctact	480
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ataaagggtca	ggcctttgan	tgggggacga	taactngcgt	caccaggaga	gaggcncggt	600
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gagagtcact	tgtggagggg	acggaagatg	acctggctga	tctggccagg	gatgggtgtag	180
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taccggcnca	gatgaagaag	acaaaggcct	tcagcggggt	cacaaaccag	ttgaaggaag	300
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ccgtttctcg	ggcttccttc	cacagtcaag	caagctcaaa	ctcttgcttc	caacnttgcc	420
cgtgaagaat	gtacacattg	gcanccatgt	ctgtgaactc	ccangtcttt	ttggccggcc	480
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<211> 187

<212> DNA

<213> Homo sapiens

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ctcctctaaa	ctggcatcct	gcgcttgaca	ggtaggcaga	acaaacggga	cgctggcacc	180
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<212> DNA

<213> Homo sapiens

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cccacatagc	cctttccata	aaggcgattc	ctaagcttaa	acacacacaa	agctggggct	180
gtccctcttg	aatcccatgg	gaaacaggcc	ccaagatcag	gggacctgga	gtcggggagct	240
tgggggtgcag	tctgctcact	gacaccctct	cgaagagcac	gcaggggaac	ctggtcctgg	300
gatggagtct	ttctggggat	gcccacgtct	gtgctgcctg	gaaccgggt		349

<210> 13
 <211> 476
 <212> DNA
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	ctcccaaate	gcaagagttt	tcttttcccc	ttccttggtt	ttctttttaa	gctgattggc	180
	ttttgtctat	cttgctcttt	ccttttcttt	ttcgtctctc	ccccgcctgt	gttgggggat	240
	tttgtgggg	ttttgttttt	cccctggctg	tgctgaggca	gcaggctggg	tagggtttag	300
	gactgctcct	tgctgggttt	ctctttatct	atctttttca	tcttcacctc	tcgattctga	360
	aaccagattt	tgacctgccg	ctcggtgaga	ttgagaacct	gggccacctc	ataccgacgg	420
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	gtgggtgggt	ttcttcagaa	aagccccaga	ggcagggacc	agtgagctcc	aagggttagaa	180
	gttggaactg	aaggcttcag	tcacatgctg	ctttcaagct	ttcaggctgg	gcaacaagga	240
	ggagatgcc	atgacgtgcc	agggctctcc	catctgacac	cagtgaagtc	tggtaagaca	300
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 <212> DNA
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	gttttgccat	tctctacagc	agaccaaaga	gtgcatcaaa	tgtacattat	ttcagcatag	240
	ataatgaact	tgaatatgag	aacttctacg	cagatttttg	accactcaat	ctggcaatgg	300
	tttacagata	ttgttgcaag	atcaataaga	aattaaagtc	cattacaatg	ttaaggaaga	360
	aaattgttca	ttttactggc	tctgatcaga	gaaaacaagc	aatgctgcc	ttccttggtg	420
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aacaaaggct	cagattcata	gcccctgaat	agtcctcat	agtcctgag	ttcataagta	180
gtggttatag	tacaatctaa	gctatttaat	tccaaagcca	gtgatttttc	tggccttgag	240
ctataggtcc	aaaggctcca	acagggccct	ccagactcaa	tggcaggggtg	gtgtctgcac	300
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tttttgtgaa	caacttcaca	aaaccagaaa	attataaagc	cacattaaaa	ttaggtgaaa	180
tcacatcagc	cagccagaca	caccattgac	atttttctat	attttctgac	aggtttttga	240
aaatgcatat	atacttttaa	aacacagttg	ggtcaggtgc	agtggctcac	gcctgtaatt	300
ccagcacgtg	ggaaactgag	gcagaaagat	tgcttgagct	taggaatttg	agacaggcct	360
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actcagcatc	ttggattcca	gggaagcaga	cagcggttcag	gtcctgccct	tctgtgactc	360
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cttccttagc	cttagttaat	tgagacactg	cagtattatg	acgactgaga	tagatatcaa	300
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taagttcttt	ctctcgactc	tgttaaaata	tgagttcatt	aaatctggac	agatatttac	420
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cctgctagtc	ttagtacctg	tatagagctc	ttcagactgg	gtgtcgtgtt	gcagaggcta	180
gcaccattcc	tgatgtcacc	ctgggtgaga	cgtggctctc	agaatccaga	tttccttttt	240

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tgc 183

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<212> DNA
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<212> DNA
<213> Homo sapiens

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cagtatcaaa gtacttatgt agctagtttc taaaacttta cagaaaaccc agtacaattc 240
caagtgccta tagccaatat aagcatattt catattagaa atagttatcc atatgttaac 300
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<213> Homo sapiens

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taataaaagc ctacattaaa ttcattcttat taactactta tgagagtgtg taaaaactga 180

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tagaaaaatt	aacagatggc	aagccattta	caaaaagaca	tgtaattttg	ttaatcaggt	300
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	ctgaaatgaa	tttacaaaag	gatacaaagg	tggtcactat	ctgctggaaa	aaaaatcagt	180
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	aaaag						425

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	tcttctcatc	tggaggccac	ctctcagggt	gttggcagaa	ttcatttcct	tgtggttggtg	180
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 <211> 297
 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

<400> 36
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<210> 38
 <211> 413
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 <223> n=a,t,g or c

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<210> 39
<211> 447
<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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 <211> 316
 <212> DNA
 <213> Homo sapiens

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 <223> n=a,t,g or c

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 <211> 1215
 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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<400> 64
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tattggg 427

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<210> 65
<211> 420
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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taacaagtga gatagatgct aagacactgt taaggtaggt tggaagcact tagttttgat 180
aggcatgata tatagctagg gaagcaagtg tatgcaaata attatgctgt ctttgaaaga 240
gtggcttatt tagatgtagc atagccaatg agactgtggg tagtacttgt gaaacttaca 300
ggaaggtaat taaagacggc acagattctc ttcttttact gggctgtttc tggcattaca 360
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<210> 66
 <211> 437
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 66
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 gtaccattta tatttccttt ttataactat agataacaaa ttatataaag ntgtgaacat 180
 tcttccctta tcacctcccc ctctcccacc ccaatcctag ggngtaccct gaggtgagggc 240
 atgtatgcct tcaaactcttt tcatgtacat tcacataaaa tgtaacttta aaggntcaa 300
 tgtggtatat tatacacatg gggtatgtgg aatatatngg catggcattt atttaatttg 360
 gttttgncc aggggggggg gtccntacc tgctttggga ccctggcctt tggntcacct 420
 tcnctagggg gttcttt 437

<210> 67
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 67
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 caaagctttt gccatgtgat tctgccccca caaaggcatc ggtatttcct aaatggtacc 180
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<210> 68
 <211> 341
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

<400> 68
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<210> 69
 <211> 328
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 69
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 aanttgaaaa ntattatgta ttttatataa tcattaccta tggtttacag attttatttt 240
 tatgatacat atctctaagg taggtgggta cactgaggac ataggcaant atgccaataa 300
 atacttattt aagctggaag tganctaa 328

<210> 70
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 70
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<210> 71
 <211> 299
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

<400> 71
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<210> 72
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 72
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<210> 73
 <211> 364
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

<400> 73
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<210> 74
 <211> 3127
 <212> DNA
 <213> Homo sapiens

<400> 74	gtttgcatag	ctccctggac	ttctgctttg	cactgccctg	caggagtggg	tggggaaagg	60
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 <211> 1362
 <212> DNA
 <213> Homo sapiens

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<210> 76
 <211> 2516
 <212> DNA
 <213> Homo sapiens

<400> 76	aattcggggc	gaaaagaaga	cagccttggg	tcgcgattgt	ggggcttcga	agagtccagc	60
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<210> 77
 <211> 2740
 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

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 <223> n=a,t,g or c

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 <212> DNA
 <213> Homo sapiens

<400> 82
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 <213> Homo sapiens

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 <213> Homo sapiens

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 <223> n=a,t,g or c

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397

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agatttcctc agccccctcc ctctctccct cctatcctcc aaacacaaag ccaacagtct 420
gtcctttcgc ttttcttgag gagaaatgtg cagtggaaat gatcaaaaaca a 471

<210> 95
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 95
tcaacttttt tattacacag taaagaatac aacaatacct gaatcatact ttaaagattc 60
acagggttgac agaccataca ttacagtcca actaaggaaa aaaggataaa caagaaacca 120
cagttcagac atagtagact taaaagctca agagtatgct gacaaaagca tgatgcctag 180
accccccccc ccagtgttag tctaccatta acttgtggta catgtctgaa ttaagtattg 240
cacaacaact ttaatttttc acaatgtcgc agaaccctaa ataatatattt aaaaaaatta 300
cttcaaactc gcatttcaac agtctccaat tttttttctg gtcccttgag gaatttcgga 360
cancatggag tcgcttttct ttccttaagt attccagacg taggcattggc tttgcataag 420
gtaaaaccag ccttgaaatt tttaaattcc caaggacatg gca 463

<210> 96
<211> 248
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 96
tcatattgta caactatgat attaggtatt aagcgacgta attctttctc tactagttaa 60
ccagtttatt tcacttagca aactctaaat tgagggaaat atataatctg agaacacaca 120
gaaaaatata ttgaaaaacc aatagagaat tatttttaac catcataaaa actcaatctt 180
aattaactga tagtctttta cttaaaaaaa agagtaatcn agattggaaa ttgggaatta 240
aaaatatt 248

<210> 97
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 97

09954456.091301

<210> 101
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 101
tttcggtttt cacactttta ttgtaaagct cggaataat tacacgggtc tttcattgac 60
agctcagcaa acaaaccgga aacgaaccga accggagggn gtaggggcgg tgctgcgcat 120
gctcgcggcg ggggtggggg ggggtggggg tgggntctct ggggtacaag agtcaagacc 180
ccagcagcac agctcccaa ggcaccagac gaccccgag cctgtacca cccctcgcaa 240
tcttgacca cctcccaaag cttagactaa gtcaagcaag ggccataccc tgagtctcca 300
gcctcccagc ctgggcccct agggagctgg agaggatgg gccaaggcag tgggggtttc 360
tggaagaaag aggggctgag gctttgagat ggccacagtg ggagacgggg gctctgcagg 420
acgcccctta caccctggcc ccctgagggtg aagaagagaa ttcacc 466

<210> 102
<211> 252
<212> DNA
<213> Homo sapiens

<400> 102
tttttttttg gtgttttatt atttatttac ttgacaggta acatcgattt ggtcctacaa 60
gacaccatgc tataggctta gctacttgct gttgcacaag agaactttcc tgaactctca 120
ggaagccctt gcatggccta tcgaggacag ctgagtcact gaagggaaaa attccatacc 180
aaagaagaga gaaaaattcc ataccaaaga acagacttcc cccagggaac ctccgtccta 240
cagcccttca cg 252

<210> 103
<211> 178
<212> DNA
<213> Homo sapiens

<400> 103
ttttttttta cttattcact caacaatcat ttattgtttg tgtgcaaggc ctgtgttagg 60
tgccaagagc agaaggaaga agatacaaat atgaatgggc atattctgcc ctccagggaac 120
atacaatcta agagtgatta attgcataca aataattgta ataccagata gaatgttg 178

<210> 104
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 104
agagaagacc gtggatcacc tggggacaga ggtgaaaggc ctgctgggct gctggaggag 60
ctggcctgga acctgcccc gggacccttc agccccgctc ccgaccttct cggagatggc 120
ttctgagccc tggagctgga gccagcagt tggagggtgg gcacctgcca ggcagcgcca 180
cagaaccagc cctgtcctct cgacttcctt ccttagcttc atgtgaaata aaagctattc 240
tgggtctctc tgtgtctgct gacagagtaa cccgtttaac tacagcctcc tctcactcca 300
cttccatgcc tggaggaagc ctgcaacccc ctccaggctc agacctgggg acacccccc 360
tcctgtcatt tataggggaa gatggagcag ggggtgattc acacagatgg ggggcccctc 420
gaattggcct gcttctcaga atgttggcca taggtnaaaa gcaaggggat cgggggttcag 480
gaccancaga atgttttagt aatctgnatg aatgagacct caggatttat gtgtccatta 540

tcattgtgcca agtgcgcttt acacaatctc atttttccct caacttgggg ataggttttg	300
tatcattccc attacagata cggatgctga gggtactgag tggaagagga aacctgaatt	360
ctgctgctgg accccaaaac tcattgttta ttacccaaa	399

<210> 109
 <211> 420
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 109	
catgttgccc ttttattgtg tcaaattata atgatatcat taaaatcctg ctagattcag	60
aaaaaactgt agggagagcaa taaacaattt gactttccaa atgatgagga aagttattga	120
atttaccaaa cataaatata aaaatagtat tttgttgat aattaagact tatagctaga	180
gaagtagaaa tgtacacaaa aaaaacattt ggtatcaata atttggttgt gcattcattt	240
attcagtcaa caaatattta gctgagcact ggctagctgc caggatttgc actaaggacc	300
caaagatggg aagagatgat gtccctgccc tcattggagct tgcagtcgtg ttgagcagac	360
tgtcaaacca gatttaggta aggcaatgtg acccagtgcc catgntacca aaccagggat	420

<210> 110
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 110	
tggaggaata agcatttttt aatttcttat ataaaatgct aacttcttgt caggacatac	60
tacagactat gcattgaatt ttttgacaaa cttcctgtaa tctttttatt aatttacact	120
gagggaatat agcattttaa aaacaattac atttaaaaat ctggattctt gatgttaa	180
ctcttcgact ccagatacac aatttcctgg aagctgatgg aaagtgatc tatttctgac	240
aatgaaagag gctcagaaag agtcctaatt tgctttcaca gtacaggcat tttccaaaac	300
ctggttctgg gcttacggag cacacacaca caaatcttaa tgcaatgaac aatatttcaa	360
accttatttc ccaaagcaaa acctagggct taagacgtca aaatcttcca acagttctag	420
ac	422

<210> 111
 <211> 572
 <212> DNA
 <213> Homo sapiens

<400> 111	
ttttttgaca ttgttctact gttttattga ctcgttgcat ttacaagttt tgctaattgat	60
acacagtcta cacttactaa taaattatac tcacagtgtt tttagtgat tgactttgtt	120
tcaatatttt ataataaaag attataggag taattacaga caatgataga aaagtttgag	180
gcacgtgac aaaatagtgc aaaagcctaa gttatccaaa agatgtagtg atcataatta	240
taaagactgt gtagtgtccc tgggaaatgc ttacaatgag ataccaagca gtcaaaacgg	300
aatctaacca cgcacctgta cagtagttac aaaggtatta caaagcttgt ctctgcatga	360
acacagtaaa gaagtcacac atacacaaac gactacaatg gtgttctggg attgagactg	420
tttgtttttt cttcttttaa tattattttg ctttattgtt gtaattgtat ttttgtaata	480
aataaattca gagagaacat cctactatta gacaaggaaa atgccagaaa tctgagatat	540
ttccctctt atggccgtat tatattgggt ac	572

<210> 112
 <211> 403
 <212> DNA
 <213> Homo sapiens

09954456.091304

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 112
 tttttttttt tttttttttt tttgcattgt tttacatctt aagcccttta ttgactacaa 60
 tgcagaacat tttattttta gacacagtgg gttttgtttt tgttgatgtt ttcaccaatt 120
 caactgaaga cgaaagcaag acaatcaaat ggtaactagt agcagcctat cagtaaataa 180
 gggcaagtat agagactgtt ctttggactg aggttaaatac aattagtcaa taaaggcttt 240
 tccactgtct aataattata acatattaac agtcgccaaa tagtggtgga tgggactcct 300
 ctagaaataa ctaaagcctt tcattttata catgaaatag ccacaaaatg tagatgggtt 360
 acatcaactc attgggattt gcccatthaa attacnctga gat 403

<210> 113
 <211> 634
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 113
 tcagaagcac taaaaaaatc tttattggat gtccgcaaca acccatgcaa tggggtagga 60
 gttggagaca ccaggaaggc ttggggatag aaacacaaga tgcaagtcct tgaccacaga 120
 atcagatcac acagtcacct ttccttcac aatatccag ggacaatgaa agcaagttca 180
 accaagatgc tgaaagagct ggatcattcc catctcattt cagtggcatc acagattcct 240
 tggagttgca tgcttgcaac gtggaaatgt gtttcccaca gcccactag ggattctcag 300
 gctaggaagt tgccaaactg caagactaca tcaactgacct ggtatccag gagcagcagg 360
 agaggaggag gaggaggagg agttgtcctg ttctgtcctt gaggggccc cttcatgata 420
 acggggaaac tggccttggc ctctgttacc tctctgtcc ctgtcccaa tcctgggagc 480
 atgtgtgagt tctgtcttcc tctaccacag tctccctct gntccctcc ggagcactcc 540
 ctgccatgac ccactctcta aaatgatccc cctctccttg ctaatgacat ctcatatggg 600
 ccagaagana gcanctgatg gattagtcac ctaa 634

<210> 114
 <211> 447
 <212> DNA
 <213> Homo sapiens

<400> 114
 tatggtagta acagtttcat tcagttttgc attttacaaa tttaaacaaa agtctttctt 60
 tttttttttt ctttacttgc atgtttgtct tttgagtgtg ttttcaattt gtgcattcct 120
 tagaaaatct ttgtgtggac tttggagttt ctccctgaaa tgtgccaggc gcctgagtca 180
 gacacaaaca ctcccttagg accttcgtca gaaactccac ccctgtgtgg aatctccttc 240
 ctctctctct ctccggagat gccaccgaa ttcgaatgtg actgtgtgtt tctgctgaga 300
 ggtccattgt catccccaga tgaaagaaga gaccaaagca gttaccactg atggaagcca 360
 gtgaagatgg ttgggggaac tccttaacct ttcttgggaa tgttttgaac gaggacgccg 420
 ggtcctttgg ccagtcagga accagca 447

<210> 115
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 115
 ggtatacagg tgccatttaa tccattcaaa tttggaagct acatcttcaa gggctctgaga 60
 gagctcactc ccccatata ttcccccttt acatgttttc ttataagaca tacagtttaa 120

tcaattaaca	aactaaacag	cttatatact	ggcaatatat	tacagatggg	tttatgtcag	180
agtaatagat	cacatgaaat	ggaccatgtg	gtaccccagt	gcattatgtc	ttggtagagc	240
cctgaggaca	ctgacagtag	catctctaag	taagtagtgc	tgtatgaata	cagacacatg	300
cggatctgta	tctacatcca	tctgactagg	ccaaggagca	ggtagatgca	agattagaga	360
cacacacatg	ctggatgggg	ccactgcaca	ccttgatcatg	ccatttaaaa	ggggcagtta	420
cagggtgccc	ggttttgcag	ccattaaaat	tacactttat	ggaa		464

<210> 116
 <211> 253
 <212> DNA
 <213> Homo sapiens

<400> 116	tttttcagct	agaaataagt	tattttat	ttaaacacat	acagattaat	aaatattact	60
	ggaaaactta	atagcctttt	tatttacatg	aggcaataac	aacatgctat	gactacatct	120
	ataaagcaaa	atataagcag	gtcttgcca	ctgacacatg	tgtctatgta	tgctaattgg	180
	aagctcccca	atacatgtct	atgacaaaac	ttttacacaa	ccaatcaaca	tttgacattt	240
	tttacatctt	ctt					253

<210> 117
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 117	tttttttttt	tttttttttt	cattttcctt	gaagtttatt	gactgttact	ggtggcagac	60
	aaattccata	aacgagcagg	ttccatatgg	agcaagtaga	aggggagctc	tgagttgggtg	120
	aggaaggatg	cgtggagtgg	ggacttgagg	taaaggatgg	aaaggtagat	ctctcctttt	180
	tccctccatt	cccataagga	tactggatta	acaatggggg	ctatctgctc	agcattccct	240
	ctccaaattg	gagccagaga	ggggaaatga	tgcaaactag	aggaggaaac	acctcacagc	300
	tcctctgttt	ctccatccaa	ggggatgcca	atatccacgt	tgtagtctac	aggctcccca	360
	gagtcagcca	gggaataggg	gttcgattga	aaagaaggcc	tgttggaata	ggttttggt	419

<210> 118
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 118	tttttttttt	tgctgatcta	gacttattaa	atttatttca	tgtcattgtg	gtcactttta	60
	cagctgttta	gacttatttt	caatcacatt	actcttcaca	gaattcacag	aattcattaa	120
	ctaactagta	tgttacatcc	aagggttctt	agtagcacat	tgaaatagaa	aagaggccca	180
	cgagttgttg	cttgtgtgtg	gaacctgagt	ctgattactt	agacagatgt	ctagaacatt	240
	attgctttat	taggcctatt	tttaaaaata	ataaattatt	cctaggaaac	ccaccctgcc	300
	aggtgctcat	tctgcgactg	ctgtgggttc	actcagaaca	tacctgactg	gtgggtgctg	360
	aatgaacctc	ccacccatgt	accctgctgc	tccggacgct	ctgagggcta	gagcaatgcc	420
	cctccatggc	gtgtaaacat	tttctacag				449

<210> 119
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 119	ttttcatttt	tcttactttt	aatatctaag	ataaaaaaaaa	aaacccaacc	acaaaaacaa	60
	cccatttgca	tgtcggcgac	acgctggctt	cgggctccct	ttctggggct	gtcctcccag	120
	gcggtcccca	ggtcctcatc	cagggaagag	cccagcctcg	gccagaagcc	accgcggcct	180
	ccagttccgc	accgtgacaa	cctgggaccc	agcctttcag	aaaggccacc	aggaactggt	240

tttaaagcat agggctgcac taggaggaag ttttcccttg aggctgagag ttatttcttg 300
 tggagaaatt tcattttatt gcctagtccc ttcaggaact tattgacacc gctgtgctct 360
 ccactgggga gtgtttccag atactcttgg ggctcggacc tcaaaca 407

<210> 120
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 120
 aatcggtgcg attaacttta ttaatatattt aaaatatgaa aactgtaaaa catagtattt 60
 atgtaaacac ctgaggactg ttcaagtggg tacagcatct tcatacaaac aacttgaaag 120
 aagaccaagt ttaagtaaga atcttatgac atgtaaggaa taacataaat gaagctattc 180
 tttaaatagt tgcattcatg tctaaagtac atttggtttt ctaaaaagaa aatgtacatt 240
 cttgcccctg gtgaatatatt tattggcatt tacaacaaat ggctaatact ttataactg 300
 attctcatag cttataaaca ttacatca 328

<210> 121
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 121
 caaaaacaga ttctaacaag tacaagaaa taattaacaa aagctcatgt gtgccccaaaa 60
 taaagataga gatgtaggca taaactctat accatggaca ccttctatga gtcacgaaaa 120
 tatcagtcac atatatactg gcacttagtc tgggtacatgc aaatttcaag gcaattcctc 180
 tccatctgag aacgaggaat tgtgtcattt taaggccaaa ttgcagtcca attgccacaa 240
 gtgcaaaacc accccacata accacctatt tgtaatcatg gaatgatagc ctcaaccaac 300
 caattgtgcc atacatcatt gttaagact 329

<210> 122
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 122
 tgctggggcc acgtgggcat cctctttatt ggtgcttcca aggtgctggt gcagagccct 60
 tggctgaagg gcctggactg tgggggaggg tggcagcccc agagacagca ggggagagga 120
 agcgttctgg cataaaaaaa gagttcctgg gtaaggctcc tgtttccgag cattcgggca 180
 gcaaggggag tggcgcacac ttctcagccg aagacactct tgggtgggtcc ggctttgggc 240
 ttctcaaaga cagtctcggg acctgtgcgg gtgcggctga acaccgacgg ggcggccgag 300
 cagcttgctc acactctcgc atgacctggt aggtcttggg cttgatttcc tggg 354

<210> 123
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 123
 ttttgttgtt tccaaagtca atttattgaa tattaagtca taaagccagt gatataattt 60
 taatgaaaaa tatcctgtat cactcaagac ttaaaagaac aaaaataccc cttagaaaca 120
 ctgctttgaa aaataatcac attaacttta cacacaacag agtcctttct taagctttat 180
 ttaagaaatc gagtactata tagttcaata tatataagac acatccagta ttgtgttcct 240
 gatagcaagt gcatagattt tgtaagata tcattttcac tcaatagaaa cg 292

<210> 124
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 124

catgagatga tattttaatct tacaaaagga ataatgaata taaaaaataa aacaaggagt 60
taccattttt cctctatcag aggccaaaaa gttcgaaggc acaatgtttg caagaatgta 120
gggaaatgga tatgctcagt ttatgtactt ttggcagtta tgcacactgg tgcaacttct 180
ttgactttat aggcaatcat aggcaaattt tataaatgta cacaccctct taaga 235

<210> 125
<211> 380
<212> DNA
<213> Homo sapiens

<400> 125
tttttttttt ttttttttta aaaacaaatc taggtattta ttttaacactt aaaagagtac 60
ttactctgtg ccaggaacta ttctaagcac tttagcatata ttaattcatt taattctcac 120
atcagctctc tttgctctcc aagtcaatac attttcatct agagctggga ttctaagcca 180
gacttcatta accaccaca tacccttcta aaaccacaat gctagattac ctctcaatga 240
gtgtaggaaa tggatgtgat gaaagacaga aaaaagcatg aggcctaaat gtgtgaatgg 300
cttgaggaat gaatgctctg actgaagaaa gaatgcctga gatccgcaca ctcttccac 360
tggcctgtag aggcagcagc 380

<210> 126
<211> 268
<212> DNA
<213> Homo sapiens

<400> 126
aaaagaaaaa tgttaagact ttattcaaga tgtgtatcag gcattataac aaaacagcag 60
aacttcaacc tttggaatac tgtaatttta catcccttg atgcacagtc cagtatacta 120
ttttattaca gatcattcta tagggactac agacatgaac tagaggaaat gtgcacagtc 180
aaaatccaga atatcagctc tgggagtgtg cactgttaga ggatgaagca catcctttgc 240
catttcaaat actgtgccag gtggagga 268

<210> 127
<211> 342
<212> DNA
<213> Homo sapiens

<400> 127
ggaataatgt ttattttaaag ttacatttca gaggaaacta tcttcaggag ggcatgaagc 60
ctatattggc tactgcaaaa caaccagaag ttttataaaa tatttctgat ttaaattact 120
aaggcactat agataggcac ctatattaca tacaatcttc aaacattttt aaaagttgaa 180
actatgtatt agttgatatc taaaatatta aagccctga caaactgaac ggctaagaac 240
ttgacaaaat gagatgcctg tttcaatgat tctgttgcca gcatattaat taaaatacaa 300
tttgagattc taaattacac gatccagcct tagtccaggg ac 342

<210> 128
<211> 330
<212> DNA
<213> Homo sapiens

<400> 128
gaacgctggg gatggttcat gcaaaagatt actatgcaag gagcaaaatc taagactgct 60
gtttttccca ataaattcaa ttgttttcca caatgtagaa ttttaatctt caaattaagt 120
gtagctagga cagtgaagtga aactaatcac tgcttgactt ttattttcat ctaggaaaaa 180
taacatctga tgtcaccaca taaaatgcc ttctgctta atatcagaga aaaaaataca 240
tgttgccagt ttagactcag cgcagtttat catttggtcc aaatttcata ttcaaactac 300
aaaaaatatt ttttaataaa gaaaacatat 330

<210> 129
<211> 123
<212> DNA

<213> Homo sapiens

<400> 129
 caaaagtcac caaggcaaaa aaagttgcaa gcaatcttgg ttactgagaa tagaagtgt 60
 gtgaaatact aagtactatc cttggcttgg ggattaaacc tatataacaa aagtgaaaag 120
 ggg 123

<210> 130
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 130
 agacatggta gtttctatat tttaaagaaga gcgataagaa accattaacg ttttaatttat 60
 gattcgact tgtcatgcta atttatattt tttaaagattt acattatttt gagtaagttc 120
 taatcctatg aaatgatgca gatgtcacca acaacttaaa ttcaattctg atcttatact 180
 aatacataat tctaaatata ttactttgag taatacatgt ttacttagat ttactatatt 240
 aagtataggt tttgtgaagt cgtaagtgt tacctatata gtttcttgct attcttgatt 300
 ttcataataa tgaagggtcaa agtgcccttc tgctccttct tgttctgggc tctcatgagc 360
 attgtcagga tcatcgtgat cttcactttc atcatcatca 400

<210> 131
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 131
 aaaattaaga caagtttatt gagtaaaaa atgcatacat tggaacggca aaacatcaat 60
 aaggccctaa aacaaaaaat acagttatgc tttaacaaat tcttagcaat gtggcccacg 120
 ctttttaaaa aattgacgtg ttggcagtg ttgttagaac actgacgtac atcccaaata 180
 gtaataaatt cagtatgaaa ttatacgcac aaccttactc accatactac tttttctccc 240
 aaactattgt gacttctttt tgctctctga ttaaaacaaa caggtaacat ccttacacct 300
 ttgctccatc ccttgggctt taaaaagaat ggctgtagtt agttttgatt cactatatac 360
 tctctgtact tgaggaagag taagctgtgt taaaagtgc ccttttc 407

<210> 132
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 132
 cagcaacaaa aacctgtatt taagcggcta attccagaga tgagtagtgg agagagcaaa 60
 tgagcctggt tagagctcac tctgggagga gtatgtggac gacacttggc tgtctcttca 120
 gggggccagg ctgggcccta gcactcccgg cagtggaaag gcagagctgg ctgccagctc 180
 tggcctccgc ctgggattca ctcccatcct ggctcagatc tgtggctgtg cttcaccag 240
 tgggtcctcc ctcaaggagc caggcgggat ctggaagggt ctgcttatcc ccaccacaga 300
 acgcagactg ttgctgtagt aacagaggag aaactcatct tcagtggtag ggatattgct 360
 gatgtcgatg taaacctggt tcagattgtc gctgcaggag accttgct 408

<210> 133
 <211> 445
 <212> DNA
 <213> Homo sapiens

<400> 133
 aacattttatt taaaaaactt tatttttgctt taaaaaaaca attattcaat tcatgaagat 60
 taaccaaata acaaacccca tcaaagttta ttacaataat ctttcataaa atagcattaa 120
 aaaaagttaa tatttttaatg taaaaatcac aatgtaaaaa taaaaacttt agtttttagtg 180
 actaaaataa aagcagataa ataatcttct tcacagggaa aaaatacttg agggaaaaaa 240
 caatggtata acatgtgtaa agcaggaaat ttaaatatca gcttagttcc tcattgccaa 300

catggcattt atatcccaga tgagatttcg taattgatcc ataatttggt tcagctggtg 360
attcttctgt ttgagttttt tatttacttc agcaatttct cgcctctctt cactagcaaa 420
acgaggtggg ccagccgatc atcat 445

<210> 134
<211> 216
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 134
ttactttacac ctttctattt tttattttttt acatcaaaca ggtaatgtga tgatgctgta 60
acaaggtttg agggaagcat atctgacaca tgagcatgaa accaaatcac catgcttatg 120
gactacaaaa ggacctaagc ctttttaaact agactgtctc aactgtgcat taattatgta 180
tttagatata ggatatgtgc ttgggaaaat gtataa 216

<210> 135
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 135
tgccactcaa cccagtaagc catatgcaga gccagtcagg tcagtgcagag aggcattctna 60
gagacggtct tcagattcct accctctcgc tctgtgcaga gcaccagaa cactgcagcc 120
tcaacatttg acaacatttt ataaaccaca tgctcccatc atcagtatca gggggaatga 180
ggagaagcca gcttcacct cagcagcagt gcctcctggc acagatcacg atccccacgg 240
tctcgtggtg aagtcaatgc cagaccaga caaagcatca gcttgcctg gggcaagcaa 300
ctggtcaacc taaagaagac ttttgaggga gcttgggttt gcctgatgtg gaatccaatg 360
tggtcagagg accaaggctt aaaacggatt gcaaacagtt ttgaaggacc tcggaggtgg 420
aatttccaca atttttttta ggg 443

<210> 136
<211> 189
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 136
gttcagggca gcctcactgg ttgacataat aacattttat naaagataat acgnttttaa 60
aaaatcaaat ctgccaaacc cggaccaccc tggaattgct agcacgcta cagggatttt 120
nggttacaga aaggcatgcc caagattcag gagagcagag acatctgagc ttgtaaatag 180
aataaaagg 189

<210> 137
<211> 216
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 137
ccaagaggcg agtttatttg gggaggggct ggtcaagtca tcagtgcaca ctgcatcccc 60

gctaagggca ggtcagtcca gtgtgtgggc cgcggggggc acaggcatag cagnaggagg 120
 gggagtnanc tacccccacg ggnccacccc nagcccagtc caggggtngg agggaggggg 180
 tgaccctgt cgaggtcctc aggcattctt ggctga 216

<210> 138
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 138
 aaaggcatcg tgctgctcga ggagctgctg cccaaaggag gcaagaagga acagcgggat 60
 tacgtcttct acctggccgt ggggaactac cggctcaagg aatacgagaa ggccttaaag 120
 tacgtccgcg ggttgctgca gacagagccc cagaacaacc aggccaagga actggagcgg 180
 ctcattgaca aggccatgaa gaaagatgga ctctgtgggca tggccatcgt gggaggcatg 240
 gccctgggtg tggcgggact ggccggtctc atcggacttt ctgtgtccaa g 291

<210> 139
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 139
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 tcaaaaacaa atgagagaag ccttattcat tacattagcc aagaatgggt gtggacgtga 120
 acattctgga aggggtgacgc tgatgacttg agaatgtcta aggcacactt tgtgttcttt 180
 gcaacatccc atgagcaagt acgcagggga ctgtgtcctc gggattcagg ggagctcttc 240
 ctttccctgg catggccctg ggtgctgggt gaccgatatg cagcaccctt gggcagaact 300
 ccgtctggat tcagtgcacg ccctgcttgg gccagcacag ctctctgtgca aaagcacctt 360
 tgcagcttct gatcgcatcg tcgagctcta ggcacttggt caggcctggc actgcagat 419

<210> 140
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 140
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 tgcccgggac catgtccagg ttcctctcag caacatggaa agctaagcca tttcaciaaac 120
 gcacaactgt agctacacta cagcccccca tgcccagggc acagctttgt tgctaagcct 180
 gtaacaaaag accaccactc agtattttgtg taccctgcag ccaacaccac ctcttgggct 240
 tcacaggttc actcacccaa gaggccagca caaccacgac cgagtgggta ctcagtggcc 300
 cagacacccc ccgaacactg gcaactgcaca a 331

<210> 141
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 141
 ttttgagtct cagattgaaa ttttaataagc atttgaagtg aagcagatag ctctgggtgat 60
 aacgctttat aggtttgcaa caaagcaaaa caaaacgagg cttagtgatg tgtcttgga 120
 ctatttagat aaagtccagg atgcaaacct gtggactggc tgcctgcca tcctcaccaa 180
 aacccccaac caggtaaagc tgatcattcc aaaggcagggt gcgatggccc atgcgtttca 240
 tcccacgata tgacagggg aagtgggaacc acaaaggagg agatgtgcga gtatcataga 300
 tgtagagatc attgcagatg gtgtctctag ctctgggtcag agtttctcca ccaaacagca 360
 cagcaaaggg cccgaccaca gaacatgagt gatgccgtag tccatggggc cccttctggg 420
 accctgccca ctgtctacaa gccttgcaag ctgttccatc 460

<210> 142
<211> 464
<212> DNA
<213> Homo sapiens

<400> 142
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tgatcacaaa tgtagctaac agggggaacg catacagcac caggaggaggga gagtgaggct 120
ggacatacca ttacagagag gaggaagaga aagaatggcg cggggggcgaggaggaaagaga 180
gcacctgcca aaaatcccac actttccact tctcagctat cactcaatca tttttctgga 240
cagggttaac agctagaaat ggtttaaggg caacatccag gtagtttgtc tggaagatca 300
gggagatgaa gagttggaga gaatgtcggg gtagcatttt gaaggattct ccagcttgaa 360
cctgttgcca gaaccctttt catggtgaac tgggagtcag gaagcttaat cctggtctca 420
gctcagccat gaacttgctg tgtgactttg ggtgaatcac tttc 464

<210> 143
<211> 399
<212> DNA
<213> Homo sapiens

<400> 143
cttttttttt tttttgaatc tctacaagta taatgtagat caaaagaagc tgacacaaaa 60
gattgcatat tgattgatta catttatata aagtataaaa acagacaaaa ttaatctatg 120
gtattaaaag tcagggttgc tttgtaaggg atagtacaaa gagaagactt ctgagatctg 180
gaaatgttct atttcttttt ctttttttct tttagagaca ggggtcttact ctggttgctta 240
ggctggagta caggatgcaa tgggtgcaatt gttttatttg ttgatctgga tggcatatgt 300
tcccatgcat gagtgtgtcc acatgtgaaa attcactaag cttaccattt gtgtactttc 360
ctatatgtat actccaacaa aaaaaagttt gtataaatt 399

<210> 144
<211> 417
<212> DNA
<213> Homo sapiens

<400> 144
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taaataagagg tttttgctaa caaacaaaaa ggaaaataaa aagacagcaa ggacacgatt 120
aaatgttgag tgcagatgaa ggggtgtatg aggcccatc ctggggaggc tgtacacctt 180
cttggcacag cagcagtgtg gccacggag cttgaacctg gtgaagacag caagtaagcc 240
acagctcaag agttctgagg cttgggaaca gaaaagagct cttcctgct ccaccccaat 300
ctgggttgca tgggcatgga aaagagcaaa cacaccctgc aaagcatact ggacatgcct 360
cttctttacc ttctcaggcc agaacaccct cctctccaca aacgtgtgca cacttgc 417

<210> 145
<211> 245
<212> DNA
<213> Homo sapiens

<400> 145
gaaacaaact ttaattccca agccggaccc ttaagtcaca aggaacgtca gatccggctc 60
actccctgac aggggtgaatt ggaaactggc ccctacttgg tctctaacc cttccactgg 120
gtctagtggg gactctgacg ccgaacaggg gctgtagatc agtgagtgtg tatgtgtgtg 180
tgagggggca gcagggggccg ctttccacgt ggttacataa gcacgtgttg gggttgggccc 240
ggtgt 245

<210> 146
<211> 361
<212> DNA
<213> Homo sapiens

<400> 146

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gaatgaatta	atgaaaaacg	ttttagttc	agttaagcag	atgatttgca	taggaattgc	120
tagttttaag	tcttaggatg	cggacgtaac	tgaattgtca	attagattaa	catagaataa	180
tcattttacat	gtgtgcaaac	taaaatgcaa	ttttgaaaat	aacacacctt	tccgtacagt	240
ctttggtagg	tgatgattca	ttttccctgc	tatgggtaat	ctcatctaga	tcaaagtgtg	300
tccttctaag	ctagacacct	cttccctaca	gtaagaaggc	ctccatattg	ttcaagctac	360
t						361

<210> 147
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 147	gcttataaat	ataattttatt	acctgttttaa	aaattctttc	ttacattttg	tacatgttgg	60
	ctgacagaat	aaatgcaggc	aatttacaaa	ccaaggggac	tgaggggaaa	atcaggattg	120
	gcagccaggg	agagaaaaga	ggcacacccg	gagctgggtat	ccctcacctc	caccactcag	180
	caaggcgccg	gacagatatc	cggaggcact	ctgcctctgc	cgggggggtt	ttttagaaaa	240
	ggaattgcat	agaagataca	gcaagagggg	actccacaac	aacaaaagtg	ttccatatcg	300
	gaaaagccaa	ggttgtcatg	ttttgtttta	aaaagaaaaa	cgacaaagca	caaaacctca	360
	atccgacctt	tctgcagttg	aactgtttcca	aaggggacag	taggtggatg	acactgcctc	420
	ttcaacacga	ctgctgggga					440

<210> 148
 <211> 281
 <212> DNA
 <213> Homo sapiens

<400> 148	ttttcatgaa	tacatatata	tttattttaat	tcataatata	gcatttttga	tgggctggaa	60
	tattgtagag	agggatgagg	ctgtgtaatc	cacagatgct	catatttctg	tcactaggag	120
	agacactatt	ggtccagagc	tcccaatata	aacaggcggtg	gggtaaagca	tttgataaaa	180
	aatagtccaa	caatagtcta	ataaatagtc	tagccaataa	caacaatata	gcatatgtct	240
	gaagctggca	gactacacca	taaaaggcag	ttttgtctga	c		281

<210> 149
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 149	tttcagatca	cgacaacagg	taaccttttag	tcagaactca	ccacccactg	tgtaagcct	60
	tacatgacaa	tcaccatgaa	gattttacata	cacatgttat	atcatagtct	cctcacaaca	120
	tgtctaagag	gtaggcacgt	cattgttccc	attttgcaga	tgaggaaact	gaggttcaga	180
	gagggcactt	ggcttgccca	aagtcacaca	gcagggagtg	gcagaggaag	tcaggttggg	240
	tgaccccagt	aactgctctc	agaggctggg	tgatgaccgg	cttcctggct	tctctggaat	300
	aaacctttgc	caccacttcc	tgcatttcag	cttcagtaca	ggcagagaat	ggggataggt	360
	gggggaatga	ggtgagaggg	gagatgttta	gaggtg			396

<210> 150
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 150	agaaggaaga	tattcagggt	ttttattttt	attttttgag	tctgggtctc	gctctgtcac	60
	ccaggctgga	gtacagtggg	gagatcatag	cttactgtag	cctcgacctc	ccgggctcaa	120
	agatcctcac	acctcagcct	tccaagtagt	tgggactaca	ggcatatatc	atcatgcctg	180

gctaaattaa	ctattttatt	ttaagagatg	tggcttagct	atgttacc	gaagctgtctc	240
gaactcctgg	cttctagcaa	tcctcccacc	tcagtctcct	gaatcactgg	gattacaggg	300
tggggcatca	tgcccagctc	taggttttta	aaatgtaggc	aaggaggtca	gcatttacac	360
aaaagcaggg	tttgatctta	ggaagcttaa	ttaagagagg	ggtctaata	aggtttcctg	420
t						421

<210> 151
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 151						60
ttttttttat	actaaaataa	ggttattttac	ttcaaaatga	tacattggac	ataatctgta	
tatagaacaa	agcaagtaat	ggtaaaactct	taaggcacct	tttaaaccag	atgctgtaca	120
aaatacattt	agtgtgttac	acgtcaaaga	cgaatctata	tttttgggtg	tttacaactg	180
cctgataaaa	ctgcttgctt	ttacccttct	ttcaatgcct	atgtacagtt	tcccctaagt	240
aagcaataat	gatatttcca	ttttatacaa	tatatactac	attttagttt	ttaaatgggc	300
caggacaaag	gtcactaaaa	gggcttaaat	aattccatag	aaaacagaat	acagagcata	360
agctaaaatt	acaatagtta	atcctttaca	agagccatat	tcacatactt	tccttatggg	420
accatcatta	cacgtggctt	cacaggatgc	tgtgctggat	tttggt		466

<210> 152
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 152						60
ttttttctga	aatcattctt	ttattttgca	cacacatagc	tgctattttac	tgaacactgg	
aaattcatga	atgcgttaca	tatttaaact	ttcatagaag	gtcagatca	acaaagcaaa	120
acttctacag	ataataagta	gttgtgtatg	cttgctactc	ttgggcccac	cagcacctgt	180
tccttatcat	attgctgaac	tctgcaaact	ccagaaagga	aggtttcttt	tccaaacttc	240
agagaagctg	cagatcaaga	atttggggccg	ttgcatctga	ttagaaactc	tcttcttcca	300
gtgtgagaac	gttggt					318

<210> 153
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 153						60
tttttttttc	ggcatcttat	ttgggtgttt	ttattgttct	gtggcctcct	cccacctgct	
aacatttagg	cctcagcaca	tcgggtggct	acaactagga	atcacacatt	agtaagcaag	120
ttcattttcca	tttctgaag	gatgaattta	tcttggaac	atttgagatg	ggtacatacc	180
tcccagagcc	agacttgga	ggaatctgtc	aaaaatatca	agatgctgag	ccttgtctta	240
gaaaggggct	tcagaaatgc	tttcatgggc	ggcggcttct	tcccggggta	aaggtctcgt	300
ggagctgcag	ggccttgctc	ccaggatggg	aaaacagga	cccagagctg	ttaagtggct	360
cccacaaagt	cacccaacca	ggctggggcca	aactgggttt	gatggc		406

<210> 154
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 154						60
ttttctttcc	tataaaattt	tattttattac	ataaaaaatt	ctatacattt	gtagactaa	
aatacagttt	tcattataat	tctggcaact	gagtcagtac	acagagaaaa	cttagcatta	120
gatcagcact	tttctttcta	gttcgtattt	ctgcacaaga	aaaacatttc	aaagctccgt	180
ttcatatagg	ctgattgttc	tctgaagcca	gatggaattc	catccaattc	agagctcttg	240

gaagttaatt tcccagcaag atttgataac tccaactcca gaaagttaat tgcttaatat 300
 acatattttt aaagtcctct gagagcataa tgctccatct gtaaagtctg cactgtgtca 360
 ataatgaccg tcacaaatac tagggctaca actgtgt 397

<210> 155
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 155
 tttttttttt tttatgtgaa taaatacaaa agatttttatt ttttcctctt aattttcttta 60
 aaatacatat cattatttta agcagaaatt gtaacttatg acaggactta caatatttta 120
 atatgtagat ttaatatgta tgacaactac agcataaaag acagggtatga taaatggatg 180
 tacatactta caagatttct acatttttatg tgaagtggca catcaactct aggtagactg 240
 aaaaattaag aatgtatatt gtaatcacta gaacatccaa cttaaaaaaa ttattaaaac 300
 agtatagcta aagagccaat aaattaaaat acaatt 336

<210> 156
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 156
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 gcaacgatag tcgggatagg tctcagacac aaactcagga tggataacat agttgtttct 120
 ctggggacca ccagacttct tgaagtgact tgtgtcccat ctaaggttcg gatatgggta 180
 gtatgacggc gggggagttg taacagcaca ctgcattccg ggccggtgct cgtaggaggg 240
 tacacatagt cggttgctcc cggcaccaag gccgcacgtg cggtcagggt cagggcgccc 300
 cgctggcagt agtagtccat cccgcgcaga cagtagtggc ggcccagagca agcactttcg 360
 taaccatgga agggcaggcg g 381

<210> 157
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 157
 attttttac tgtgctgatt caaccaaatt tatttttgaa cattcagaac accagattat 60
 cacagattaa aaagaaagca ccaaaaatta ctacacatta atacctgagc agagactgaa 120
 ggcaaattat catctattaa acctacacca taatgctcaa acacaggtaa aaacattcac 180
 aacacactct acaga 195

<210> 158
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 158
 ttacaaatat tttagcaaat gctttctatt tctcttgctt gtgcatatct tggctggcgt 60
 tacagaaaaa tagtgtaaac attatttctt tactggggaa tgagggtttt ttctttttct 120
 ttttttcttt tttttttttt ttttttttagt ttgtgtgtgg ggggtgggtaa gggaggggat 180
 ggtttatggt gaatgttttag tttttcttct gcatgatacg tcatgttgtg ggatcttttag 240
 aaaacttcat actgtatgaa taagaaaata aaatatt 277

<210> 159
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 159
 tttagacaaa gtcggtgctg cacttgacgc agtgtgtttt aggtgtttgt ctttgtactt 60
 ttttgtgatt tttgaatgca cgtgcgcagg aagggtctct cttagagaag cagtcaaact 120

gtgaagcact	aagctgaccc	tgcttcaagc	aattttgttt	ttacaactgt	tcctttcaca	180
agcaagcctt	aaaaaaaaag	aaagacaact	tcctttttct	tcagctccca	caccccatTT	240
ttcttagcag	actgcagtca	atccacattc	aatgaaaagt	atataatgcc	catttttata	300
tgcacgtttt	taaacttcca	agttctgaaa	attgtttact	gg		342

<210> 160
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 160	tttttggccac	gcaattctga	ataaagtTTa	ttaaataata	tgtacagcaa	atgtagtaat	60
	tcaacacatc	tatttatcaa	atcaatccac	tgcaatgaag	aaaaataaat	gaacagaaaa	120
	atctatgtct	gcataggaca	tgctctcagt	gtgtaattta	aatggcaata	ctttaaatta	180
	attggttata	tataatgtca	gttatttttc	tttcagaata	taaccttttt	tgtagtaacc	240
	tattctagca	ataggactta	atacgactgc	agataaatag	gactgcaaaa	acaaaaaacc	300
	caaaataatg	aaattaaaaa	ggaaaaaaa	actgtaactg	agatcagagt	tacctttcct	360
	ccccaataga	atacttatcg	taaattttta	cactttacaa	tggctatttt	tgtgctaaaa	420
	atctgtaggt	gagttatt					438

<210> 161
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 161	tttttttttg	tagaaaattc	ctttattata	gtgcaaatta	ctttcagcag	tgacataatg	60
	taacaacaca	tttagcaaca	ttttacacca	cacagtaaata	aagaaagtgt	ttctttgaaa	120
	atatgtcatc	ataggaacat	tattttctaca	ttaatgccag	aaaatgccaa	ggccgtttat	180
	ctcaaggcaa	acagggctcc	ctccttcctt	ttgggtattt	tctttttaac	acaaatgaaa	240
	tgacttgcca	ttttaacaaa	tcctcaattc	taaaagtgat	ctctcagggg	gctttgaact	300
	aaggtcggca	agatttgaaa	tggggcttca	aaatttttaa	taataatttt	aaaataacttc	360
	tggaatagcc	caaaaagtag	aagtcacttc	tatta			395

<210> 162
 <211> 323
 <212> DNA
 <213> Homo sapiens

<400> 162	tttttttacag	tcacatgaaa	aataaacatc	tttatttttt	tgcctacttt	atttcatttt	60
	ttcaaataaa	atttaaattct	gtacaaagta	tactgttaca	gtatatattt	tgtaagaatc	120
	aatgcctaaa	ataatcacaa	tacttcaata	agcagtacag	cagacctcgc	tagttttcag	180
	ctttgatatt	gaacaaactc	aagccggctg	atgcacaaca	cgtttgcttg	gtttccacat	240
	ggtgatttcc	cagcactgag	atggggagaac	atgacagcaa	atatggtaat	attacagccc	300
	gacacactgc	gtttcttcat	gtg				323

<210> 163
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 163	ttttttttcca	gcaaaaaaat	acggctttat	tggatctatt	tcctaactac	aaagacagct	60
	gacacagaca	tcaaacgttt	ccttttcaat	gacagtcccc	tgagaaaggc	tgcacgtgac	120
	tcctacagtg	ccgggtgcag	ggtacccagc	cgcaggtggg	acgcggccac	acgtcttcac	180
	ggttacgtgc	agaccgacgg	gatggccttc	aggttgtttc	tttccgtgag	tgagacacaa	240
	gagacgcgat	tgtgccggag	cgcacggtac	aggccgttcc	ttctgcggga	ccctttctcc	300

atcagcgacg ttctgttcag tgacttcaca gccggagcct ccacccgcag tgcaattcag 360
gcaggttcca taaggggg 378

<210> 164
<211> 586
<212> DNA
<213> Homo sapiens

<400> 164
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 <211> 288
 <212> DNA
 <213> Homo sapiens

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ttgtcttgga	ttaactctat	ttgtaagggt	acttatagt gttcatacta
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 <212> DNA
 <213> Homo sapiens

<400> 172

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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ggcgcagcgc tgtacatcgg ctgggcggcc accgcgctgc tcatggtagg cggctgcctc 660
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<210> 180
<211> 393
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 180
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ctccttttcc attattccaa aacgtttaac gttcaaagca ggggtctcatt aaaaaagaaa 180
ctactggttg atataatnga gatattacaa tttcagaata aacatttgat taaaaataag 240
gaaatcctca gttcatactg tattttaaag aganttggt acttgantgt gtgtaatttt 300
ttggaacctg tctaaaaacc anataccctt gcaancngat acagcccncc cnnttctntt 360
tanntntttt gctgtgttat tngntnggag ntt 393

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<210> 181
<211> 444
<212> DNA
<213> Homo sapiens

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<400> 181
caaattgtatg amcttggttta agatagccag gmaggcagtg gtaggataaa cacaagggat 60
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acacaaaacc tgtacaaaat gctccaatca atgagaacag aaaaaagaaa tcttcaacta 180
tgttacagtt taaaagcaga aaaaaaaagt tagggagtgtt ctccctccca catgtcagga 240
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tgcaattccg ttacatacag tagttttttt tccaaagcta ttttttttta gtatcggttaa 360
tataaagcag ttgcacaaaa agcaarggtg ttttgcaaac aggtgtatgc atttttcctt 420
tttaggacaw tatctaamaa agmc 444

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<210> 182
<211> 440
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature

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<223> n=a,t,g or c

<400> 182
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gattcacaga attctgagag taatatggaa taaaacaact ccacttagat gataactgaa 240
gcatttctctg ccttgtgaaa atttggnttt taaattgctg ttagaatggg naatttggac 300
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cttggctggg aacncctaag 440

<210> 183
<211> 187
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 183
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ttgtactnan tttttaaatc tgtgatgctt ntcaaattta attcataata aattgatgca 180
atttcat 187

<210> 184
<211> 1971
<212> DNA
<213> Homo sapiens

<400> 184
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<210> 185
 <211> 419
 <212> DNA
 <213> Homo sapiens

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	agtgggtggac	caggccacag	aggcggggca	gaaagccatg	gaccagctgg	ccaagaccac	180
	ccaggaaacc	atcgacaaga	ctgctaacca	ggcctctgac	accttctctg	ggatcgggaa	240
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	agggagactt	gggtgacccc	ccttcaggc	gccatctagc	acagcctggc	cctgatctcc	360
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<210> 186
 <211> 1021
 <212> DNA
 <213> Homo sapiens

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	ggggtctgcc	tcaatctccc	tggccggggc	aggcgctgc	acagactggc	tgctggacct	540
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	aatttcgtcc	gaagctgcca	ggaagaagaa	cagaactttg	tgtgtttatt	tcatgataaa	660
	gtgatttttt	tttttttaac	ccactcactg	gtcccgttct	ctggattcag	ccccattcct	720
	ccaacactac	tagagagact	gtttccccgg	tttttttttt	ggggagatgg	agtcacgatc	780
	tgtctcccag	gttgaggtgc	agtgatgcaa	tctcagctca	ctgcaaccgc	tgctcccggg	840
	gctcaagcaa	ttctcctgcc	tcagcctccc	aagtaggtgg	gattacaggc	acctgccacc	900
	accctgggct	aattttttata	ttagcgggtct	cgaactcctg	accttgtgat	ctgcccgcct	960
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<210> 187
 <211> 2383
 <212> DNA
 <213> Homo sapiens

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		ctgattgccca	ccatcctgct	ctatgcgggt	gttgccctgt	tctgtggctg	240
		gcgctttctg	gaactgtcaa	cattctgcaa	acctactttg	agatggcaag	300
		gacacactgg	atgtttttac	catgattgac	atctttaagt	atgtgatcta	360
		gctgcgtttc	ttgtgtatgg	catttttgctg	atgggtggaag	gtttcttcac	420
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		ttcattatgc	tgacatatct	tttcatgttg	gcctggctgg	gagtcacggc	540
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		catttttttc	agtgtataaa	actaggtagt	attgtgcact	gatttgacca	2340
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<210> 188
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 188
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 ttaggraaaa aaatwttacc aaactacttg taagaaaact atcttccttg taccataagg 180
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 cgrgcttggg gaatmatggg maaagctttt yccbkkkaaa ttttawcccg hhaaattcca 360
 aaaaaawggs ccggagraaa aggdaagscg ggggccaatr gga 403

<210> 189
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 189
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 caatgtagat atgaataaag aagatggctc agaagagtgt actagtattt stsactcagc 120
 tagtgaccat tatgataaaa agaataaagt tttgacttat ttacagtattt aaaatgcatt 180
 ttatattgag tagttatttc atgttttctt aaaac 215

<210> 190
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 190
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 taagagctgt gttttsttta caatatatta tatybscttc avrcgccaat gcaaaaavvg 120
 tcatacata tattccctat ttcattgtgt ttagaatata ttatattgtt taaatgmcac 180
 taccacagtg taattttttt ttttttaata ctgaatctct gga 223

<210> 191
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 191
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 ccttattaat atataatcct catgtattta tgcctaattg aagctgactt ttaaaaagct 180
 ttcttttgtt gcatgccctg tgcaggcatc tgtattgtac atgcatgcct ttcgtcctgt 240
 tttcctgtat aaagtttagtg aacaaagaaa tatttttgcc tagttcatgt tgccaagcaa 300
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 actgatatac agatatacta atgtttgaag atgctgttct ttgcaagtgg tacagttttc 420
 aaatgttggt accagtgaac acccttgtgg tttaacttkg 460

<210> 192
 <211> 3198
 <212> DNA
 <213> Homo sapiens

<400> 192
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 <211> 274
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 <213> Homo sapiens

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ggggccccc	gtgctttgcc	cctctgtctg	ccctgtcctg	gggtgatgga	caaacagatg	180

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<211> 309
<212> DNA
<213> Homo sapiens

<220>
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<223> n=a,t,g or c

<400> 196
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ctccaggga 309

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<212> DNA
<213> Homo sapiens

<220>
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<223> n=a,t,g or c

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acctatcttt aatgccctt atttngagca tcctgtaaat aattttaaat agatgcacia 240
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taatctgaac ttcttcag 318

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<211> 291
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<213> Homo sapiens

<220>
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<223> n=a,t,g or c

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acgttggtct agcggaagac aggcctttgca gatttcggtg ctttttagtga actggtgttt 240
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<211> 298
<212> DNA
<213> Homo sapiens

<220>
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<223> n=a,t,g or c

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 <212> DNA
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<220>
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 <223> n=a,t,g or c

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 <211> 305
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

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 aaaag 305

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 <211> 243
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<220>
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 <223> n=a,t,g or c

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 cat 243

<210> 203
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 203
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agtcataata agcatctctc tcaccaaggc attccacaca gagagatcac agcacaataa 180
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<212> DNA
<213> Homo sapiens

<220>
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<223> n=a,t,g or c

<400> 204
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<211> 462
<212> DNA
<213> Homo sapiens

<220>
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<223> n=a,t,g or c

<400> 205
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<212> DNA
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<223> n=a,t,g or c

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<210> 207
 <211> 414
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

<400> 207
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ccaactttta	gatagtattt	ccataccccc	caaaagcnt			459

<210> 221
 <211> 445
 <212> DNA
 <213> Homo sapiens

<400>	221					60
aaattttctt	gatttttaaaa	aatgtatttg	tgttttgcag	gttggaacgc	aaacccagtc	
tggccacgtc	ccgtgaagtt	gtggacaaaa	tgtttcagtt	tctgttcacc	tctgtgcgtg	120
tgtgtgtatg	tgttgtgtgc	atgtgtgtgt	gtgtgtgggg	gtgggggatg	gggtaggtat	180
gtgcttttgg	ctcatgtttg	tgatgataac	tgaagtcttt	tgtgggtccg	acctgttgta	240
gggtgtgggg	gaaagtgaag	gaagagaatg	aaggtagtc	cccgccgttg	caaaccttca	300
ccaaaccacg	cggcccagtt	ttcgtgagta	cccctgtgtc	ccagagagga	ggacccagcg	360
tcctcggctc	tgcgcaaggc	tttcttggtc	tgggtgggtac	tcgaggcagt	tgagaacctt	420
gctgagctga	gcgggcacct	cgcct				445

<210> 222
 <211> 511
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400>	222					60
aagccagaac	ttgtttattg	aaaaagcact	aaaacaaaat	attttggtta	gatcgagcaa	
gaagacacaa	atagagaatg	gaaaaatgaa	aattttataa	acgcagttga	aatttgaaaa	120
tgtgaggata	ttatgaacaa	ttcatttgaa	aactgacaaa	atacacaaat	tactacgagt	180
attttactca	aactaattga	agatagacat	gtaatccac	agctcctaaa	tagtttcagt	240
aattaaaaat	ttcccccaaa	gaaaagcctt	ttatagtaag	ttccactaac	ctgttccata	300
tggtagcaat	tcttaatcta	acagttaaca	gttcattcaa	aataatgggc	aacaatgtat	360
ttggattttg	tacacatata	tttgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tatagtcgtc	420
atacctaggg	gtgcntatat	ataagtggaa	tggacagcna	tgatacntgg	gataggaaaag	480
agaaattagg	attatttttg	gtaccataag	g			511

<210> 223
 <211> 417
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400>	223					60
caccantgaa	catttattga	gtgtccacat	gtgcacagct	ttgaacttgg	cgatcacaga	
acgcactggg	ggaggggaagc	aagggatcaa	gagtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	120
gtgtgtgtgt	gtgtgtgtgt	gtgtgggtccc	cctgggttta	taagaaaggt	agtcctctgt	180
ggagccgcca	gtcgcgtctc	tgcagagagg	agtcatagca	ggggtgggag	ttaaagccag	240
gcaccacggt	ggcagtnngg	aagtgtccct	cctgttcctg	gctccagcag	cacagatggc	300

accaggggga caggaatcag atgctcaggt ntccaagcag ggataaggac aggcaaaata 360
aataaccccc caacccccat ncgtcactct gctgcaacac gacacaaagg tttaaag 417

<210> 224
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 224
tttttttttt ttgaagtaaa tatctgttta atttacaaac atcagcagtg taaccgatat 60
taanctggag aaagacaaag cacnctgaat tatacatgta catctaattt nctttgtaaa 120
aaaagaagtt ttcaggaaga aacatctgca tctttacagg gcaccctggg attttaatga 180
gggaagagca cagttcacta taaaccatta tcaattctac attgtaattt agcagcaaac 240
atnttaacan gggngcatta agataataaa ggggtttttat ngtttgaggg aaagaaaagt 300
cncagttctt gatatgacag tctttttatc cccacctcac ccccagaaaaa gggcaaaaaa 360
ggtcaaggac atattaattt gcaaaaggtc tacttt 396

<210> 225
<211> 354
<212> DNA
<213> Homo sapiens

<400> 225
agtatccttt tatttttttt taaagcacia atgcccacac aactttgact tacaaggtag 60
ttctatatag aataaattaa aatgttagta aaatctgtat taaaaactat gtacaattaa 120
atgtggttta cagggtacat aattatgctt ctcacatcaa ttatagttga ggacaattat 180
agttgaggtt atctaaaaga aagtgaata cggacatgac cattcataag taaaaggctg 240
gaagtctccc tggagtttat gcagatgatt tttacttggt attgcacagt gtgaattggt 300
aggggaaaaa ataatacact aacccctggg gcccatacag gcaaattaag gatt 354

<210> 226
<211> 367
<212> DNA
<213> Homo sapiens

<400> 226
gatttaaata ggtttatttc ttcatttaca agaggaatat atttggttc tctcttaaga 60
ctctgagatt cacaatcagc agctctaaaa aataaaggag cagtttggt tccggaagaa 120
gaggaggcaa cactcggacc tggttcttgt acaacaagaa aacatcgctg gggccccgct 180
gaggctggag tgggggtgga ggctggtctt tggaggatgc cccccccacc ccactctctt 240
gtcaggccct cgggggtaccc cagaagcttg gtgggtgagt attccacctg cttacacacc 300
actgaaagcc acagccagcc agtaactaag gggcaagaag agcattgtcc aagctggccc 360
tcatgcc 367

<210> 227
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 227
tcattgttaa actcagttta atagaataaa tattcaaata agaattgact ataccaatat 60
tccagtagag aaggaataag ctgatagacg tgtctttgag ttctgtcagg caagacttaa 120
ccaaatcttg acacacggtt aaaattgggt gttaatgaaa ggtaactaga taaaataggt 180

atatatttgc ttaagaacat tttaaaaata tttctttttt tagatttgga attcacaata 240
 gggtttcttcc gttcctcctt tgtaaattat gaaatattta ttgttttagac tgagtaatat 300
 gacatgaaac aacaaacctg cacatttcta atttataaca aatctgnttc cttaatgggt 360
 ggaaggaaat ctgaggacag ttcnaaggag tcctgggtctg cttttccagt gcggatcttc 420
 naggtcctac nggaagacca taccctctcc agattgggcc tttcccttc cttctcctct 480
 ccccggtcaa cgtcaatcac atgcaccact ccagggn 517

<210> 228
 <211> 467
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 228
 agaatttaca caatttatta atttttagtgt tgtacttaca ataatactat ttaccattga 60
 cacagatgca tttcaatagt ttaacaattg agacagtcac gctgggtctct atcagtgaaa 120
 tatcatatct gcttataatc ccaaccaata ctcgatatt attaatcttt taaagttttg 180
 ggaatccgag aggccaacgt tgtaattca catttaatca tgaacgaatt tgtgcatctt 240
 tacatatatt acgttgggtct ttttaccctc cccttgaatt gctgatttat atccctagcc 300
 cattttattg atttataaat attaatatta catacatgan atggattgtc caagtatttc 360
 ctttggccca tttnaaattt actggataaa tgttttntt aaagaaaatt aagtcctttt 420
 gtctacataa gtcctacaaa atatttttcc ccaatttgggt aggttcg 467

<210> 229
 <211> 413
 <212> DNA
 <213> Homo sapiens

<400> 229
 tgaaaggaaa aaattcaaag tttattcaac attaagaata acagacagat aaaggtttgg 60
 acttaacagc ataaatacca ccaatatcat ggtgtacaat taaactaacc tcatgtcaac 120
 ttgtacctgt ttaacagatg cgatctttgt ggtgttgcca aaaggataat ggattattgt 180
 tatgtttgggt aagggtgtca aaattaaaga ctttatgtcg acttattcac acacatacac 240
 acacacacac atgcacgcac acacacacac acacactctt acacttagcc tcctgcaaaa 300
 tgtattgact ttagttgcta tatccgattc ggataaaggc tttgctcatt ttttaaatga 360
 cattattaat tgcagaaaaa acgtggagga gaccttggcc ttggcaggtg ggg 413

<210> 230
 <211> 419
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 230
 nttattttta ataaatattt taattctatt gttgacattt acaagtagaa agcatacagt 60
 atgttacaaa tatcaaaatg agaaaaatat gaatgttaca taagtaacaa atataaaaaa 120
 agtatcttct taccttcctt gaaagtaaga aaactattca gcataggaaa atatcagtat 180
 caaaaacaca gcttaggtgt aaaaaaagtt tttacacagt atttaaaaaa aatgatctac 240
 aaaatgacaa agtaagtgtt gaaatctgat ttcatataaa ttataaaaac tgggtactta 300
 gagtaaatgt tatctggttg gaaaataagt ccaatcataa gctttcctta ggtcaattct 360
 ttaaaatatt aaaagcatat cgaaaaattt tccaataaat aaccttnaag aggggttcc 419

<210> 231
 <211> 189
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 231
 nagcaagcaa aaaactacct ttatatatga tgttattcaa atacatggat aagataacac 60
 attttatgat gtaaaaagta atatttataa attaaaaggc aagtctttct ggtattcaga 120
 agtctgaagc aaccactgtc cagctcttta aaaagagcac attccattct ggtggcacac 180
 aaatgtaca 189

<210> 232
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 232
 ttttcccagt ttcattggaac ttttattgag tttattttgtg ggatgcatga caggaggtct 60
 ttccatcatt agtaagaatg aaagggtcatt ttcacagtca ctttggcaca cgctaacgtc 120
 tcataaaaaa aaccagaaaa gcaaagacaa tnngaaccta tagaatacgt cattaataac 180
 atacaaaaca ctaataaaat atccctgata aaccaaagtg catatgcccc ggacagtatt 240
 gcaccttccc cagtcgcgcg tgtcntcagc atggcctcng tcaaagttgg aagttaacag 300
 tcgtgagatt agtacgcagg tgcacaccag ttatttacag aacggcggtc agagcccggg 360
 agtagggggcc ggccgcc 377

<210> 233
 <211> 163
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 233
 tttatggggc gggaactttt tatttgaagc aagttaatca tagcattgcc cccaggtacc 60
 ctggtatcct gctacaagga gcatcacacc atttgggcac atgggtgtgcn tcatccacta 120
 gcctggcatc tcagcagaca gcagagggca gcagaagctc agc 163

<210> 234
 <211> 231
 <212> DNA
 <213> Homo sapiens

<400> 234
 tctatttaga tcggatttta ttttgcaata tttattatat attcaattca aatgtactca 60
 ctattgtgct aggcaattga aagtaaaaag tataaagctg cattttgcgc tctcagttag 120
 gtttaagtca gggaaatgag gcatgcacac aaaataacga gaaagtagta taatagctgt 180
 gatcattagt tatcaaaaata agtgaatgag ctaataatca ttgttagaat a 231

<210> 235
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 235
 ggggcatggc taacacctcc ctgggcctct tcttccctacc ttgattgagg gtgtgatgcc 60

005445C-00450

0954456.091601

tgagaccaca	gcagccactt	tgctaccatg	acaaaaaggc	caagagaatc	acagagtcac	120
tgacctatc	attatttcac	caagccaata	ccagccgcca	tccttctcca	gaattcttgt	180
aaataaaaata	aatccctctt	tgtttaaaaa	aaaaaaaaaa	aa		222

<210> 236
 <211> 527
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400>	236						
cctctgccac	aaaagacctt	taatggcctc	ctattttattg	ttctttttggt	catttggttag	60	
agttgaatga	actataataa	cttgtctgac	ataataagaa	tgccacaggt	ataacagata	120	
aacctggcag	gtggtccagg	aatgagagt	tcacaaaata	atcactcaac	acaagggcca	180	
cagacctgga	gattcttccc	agccatccct	cactcctgcc	ccaggacaca	acccatgcag	240	
gccccattc	cataggaaga	ggcagggtccc	acagtgtctg	tggttagacc	ttaacactga	300	
gcagagatgc	ccgggaagat	ggcacttcct	atgctcgttc	ccaagtgtc	tgctcatctg	360	
ccatgcaggt	caggaccata	ccccgagttt	gtgaggcacc	cacctctcat	actcaccacc	420	
tcatatgacc	acctatcata	cccanctctc	ctatgaccct	tgcaattgtc	ccagtgaagt	480	
gggaagagct	ggactagccc	attttgcaca	cagggaacta	aggacac		527	

<210> 237
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400>	237						
atccagtgt	aaaaggaagt	tggaatggga	gttggcgggc	agtgaacgag	tgtgggggaag	60	
gattggtgct	ggggcaacag	gaaggggcct	tgggcgtttg	gctgcactaa	ctttggtagc	120	
tcagtgtgca	tctagagtgg	gacttgggag	ggagctaagc	ttgggctggg	ctgcttgggg	180	
cttgcatag	ggtggaaagg	gctacctggg	gctctgacca	cactgtagta	tgtgtggagg	240	
ggcctcccgt	ctcccacaac	ttctgctata	acaataaact	gtagaggatc	ttaaagag	298	

<210> 238
 <211> 447
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400>	238						
aacagggcgg	ctttttgttt	tattttctgtt	tttttccctt	tttcttaaaa	aaattaaata	60	
aagttctcat	tatttcccca	atatacatca	aatgagtttt	catgcaaagc	agcagtcaca	120	
gaggcagaac	tgtccccagc	tcgtgcctct	cggcttgaag	aaccaccttc	tcccggcccc	180	
gggttctctg	gtgttctcac	tgaggatgga	cgacgcccac	tgtctctccc	agctggaact	240	
ggctatgacg	aaacttggct	ggcgtaggga	gaggagtcct	cccctctccc	caggatgggt	300	
ctcaggggac	agcaagctct	ggggctgac	nccatcattg	tccttccatc	tgagatccca	360	
gtgtgacant	tggaaagtcc	tcttcccagg	aatgcgaggt	ccnctctcag	tctcaatgga	420	
atgggataat	gagtgtncac	ctataag				447	

<210> 239
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc feature
<223> n=a,t,g or c

<400> 239
 tttttttat ac aaacaagttt ctttttattgt ttccacacat tcataataac tatagaacag 60
 aaagattggt ttaatttgct gtcctacttc ggtgacctga tgaatacact ggtaacagtc 120
 cccagtttga gtaagatcag ttgaagccct tactgtataa gtccaaaatt taagaaaaat 180
 gaatctcacg atgagcttcc tcaggcttcg gccgtgcgtg gaccagtcag cttccgggtg 240
 tgactggagc agggcttgct gtcttcttca gggtcactct gaaaggggtg tctgggcttg 300
 gtcttgccct ccaggtttca cgcgctgcag gttttacatg gctgtgggtg atccaggctg 360
 ggattccctt tacttcacag cgggtgggagg gctcagaacg acagctgggg tctttccaca 420
 gtggacacaa agaggtacgt tccagttctt gatcaaatng atcactgggg agaaaagggtg 480
 aactggggag aataantaac aggccattta 510

<210> 240
 <211> 215
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 240
 ttttcagaaa ttgaaccggt tattagccta ggtctggggt tcaggcattg cggagnacgt 60
 ctggggagct ctatgagggg aaacaagccc ctgactggct ccttgccccc caaagacccg 120
 ctccccagg ctttgcatc acaagaaatt actctgaggc atgaggtttc cttccccaag 180
 gtgagctgca cccagctct ccagtgggag gatgg 215

<210> 241
 <211> 457
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 241
 ttttttgtgt gaaaagcctt cattgtgcaa gcgtgcccan caaacaaca ccaggtctgc 60
 gctggccgaa gacgaagcgt cctccctgga gtcgggaaca agtcacctct gaccacacct 120
 cctctgacgc catcacctcc tcctggcccc acccaagggc tcgacacaag cccaaggtc 180
 ggggggagag gggcggggag gaaccgaggg cggaggcaag gtgggattcc aggaaggcct 240
 tccgaagatg ggacggtggg tcctgtccct ccaggtagct tgtgggtgtg gacagcagga 300
 cttgctggct cagtgtgggc acaaggacac tgtgccactg gttgagttag tggtagggga 360
 ttggaggtgg ctcccagagg actccatctt gcatggccct ggccttgtgg cttccagnag 420
 gcttgccctg gctgtgggta agccangagc anattgag 457

<210> 242
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 242
 tttttttttt tactttcatg caaaatcttt atttggaac atgtatgtta ctgagcaggc 60
 cagccgcat cctgaaatag caaggatatt tacactgtgc agagaaatac aagagcttct 120
 tgaagacatt catctgtgct ttgccggcat tttatctgct actttgtcct gcttctctct 180
 tccctgtgct cattattctt catgcacct cacctctcat caccttaagg catcctgtac 240
 cagcctgac tgggggagat gactgcagcc ggcaatcggc aattaccaat ggtgtcttct 300

tgggaccctt tctacctgtc ttaggtatta atgggtgccca aagaaaaaat gaagagatga 360
aagtttctgt ggtagctgg gcatgggtgg tgtgcacctg tagtcccagc tactaaggag 420
gttgaggtgg ggatagtgt 440

<210> 243
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 243
ttcgtaaaac nataaaacaa tggtttctag caagtaaaca accaactgat catctctttt 60
tacctttcgt agatgttttc ttcttaaaac atatagttat atgttttagct tacatattta 120
tgtatattat atatcaacac ttaaagaata ataattagat tcacagagta cgggtgggaaa 180
tacaatatat taccggtaca ctattcaggc aagcttatgg gaatgacaaa aaaggantga 240
atcacttttc atgactaggt atcttaatta tcctctgggt tttttctgac taagg 295

<210> 244
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 244
tgttaagtac ttaagattta ttgaatgaga actgcattgt acaatatgggt gccactagac 60
acgtctatct aatttaaatt aaaatataaa actctaaaac tagccatgat tcaaagggttc 120
aatagctata tgtgactagt ggctaccata taaaacattt ccatcacaaa gttccattta 180
tcagatctta tataggaacc ttgantaaaa tttaatagac aagtgatttt gtatttaaca 240
tttcaccttt attgaatgcc ctatagggcc atttgaatac ggggtcatgtn caaggcacag 300
gggaaaaaaaa aactgcagcn ggtaagggtt ttncaggggg gttttccagg tcccctcc 358

<210> 245
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 245
aataaagaaa aaantttcca tccaacttga agaaaaatca gaaagtattt ttctccatgg 60
accattattc tatttgaacc taacctgaat tccctcatag tcaaaacctg ccatgatgat 120
gtgaattcat ttccgcatag tcggaataat ttttgctcca aattcttaaa ggagacaatg 180
aattagtagc ttgtaaattt tgcagatctg ggccttcaat aacttagtag gaaggggcaat 240
aaaataggag gggaaaaatg gggactgtgg gattacaact gtttcaaatt tcattttaat 300
ttcttctatt tttctcaacc atatttcttc tatttttaca atcattatta aaatatttcc 360
ctaa 364

<210> 246
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 246
 tttttttttt ttttagctca agaacaagtt tttattatgc attgggtttc gcagtgatac 60
 aagacacctg ctcacaactt acagtattaa ttttttagaa aaacaaaaca ggtatatggc 120
 atgagtgaag cagttcccca ttaaaagcac ttaaaaccta tgacatggct agtaagatgt 180
 aaaatattaa gtccccttgg gtcttgcaaa cttgtatttc ctaacaattt ggaagccatg 240
 atgatagtct gaagctaaag gaactccaat ttcttggnat gatactaaat aaagattctt 300
 atcttttggg gagaaagagc caaaacagaa gggtntgaaa gcagtgattt tcccctcctt 360
 atggccaata aagcaagagg ggca 384

<210> 247
 <211> 239
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 247
 ttttttttta tgtattttcca aaatcacaaa atgcacaaca ttcattngttt ttaatatgtc 60
 aacatggaat attatataca gattaaaacc acgacagcaa aaacactcac acggtaccag 120
 tttcatatca aaacaaaaca cacaagtgtt ttttcaatat taaaacgact gtgataaaaa 180
 catattaata ttttgaacca tgtttacaat agngcaaaat tcatatttta ctaaataac 239

<210> 248
 <211> 469
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 248
 tttttttttt tttttttttt tttttttttt actatttaaa taattttatt tgtttcancc 60
 tttggnagat gagaaaaata cattacaaaa tacattatac agaagacagc tcacagtaca 120
 cattactaaa aacacaatct acattccagc cagggctggg gggtaagtgc agaagaaagc 180
 cacagaggcc ttggaaaacc agatttcaga ctctatggga ntggaaattt ccccttatgt 240
 cccgtcttta tctcaacctc aggcattgtt tnttaggcac ccctaattag gngggggtgt 300
 ggggtaggag ttaggaggca ggcattgagg tggggactgg gngggacttc tccattccac 360
 cttaaaggca ggcaaacctt taaaagtccc ccccaaaagg naagggggta gggggagggg 420
 ggnaagaatg ggccaatgt ggaantttgc cgtgttctnc aaaggcttt 469

<210> 249
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 249
 ttttttttta cttgaaaaaa ttcacattta tttactgtca aaccgtgtta aactttacac 60
 tggatattag tgatgggctc attattaaca ggtttacaca aagggatgaa aaaaaagcag 120
 aattttgctg aaacaattta catttcatta gaactttatc ataaaataaa ttaattacta 180
 aatataggca gaaggaatat ggaagagtaa tatttatgtt ttattttatt tttttaaaaa 240
 agaataggca ccttttgttc actagaaagt ttgtgagaag tgcccagtgc cctctttgcc 300
 ctctgttcag ga 312

<210> 250
 <211> 485
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 250
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 accatttttaa agtacacaat tcattggcat taagtgcatt cacaatgctg tataaccacc 120
 acaacggaac ttttgttata gagcttttct tcatcgctat gaaggagtaa tcctttttaa 180
 cataagtcac aggcattgtca ctaccctgcc cgcaaacatt cagtgggctt cccatcttgg 240
 ctcagcaagg ggacaaagtc ctggccgtgg ccacagagc ttttggtgt cctctctgaa 300
 cgctctcttc actcatttca cccggtcatt gggcttcctt ggctgggtccc tttggacaaa 360
 gtggaccctg gctttctcct tcaggggtct ctggcatgtg ttttttctt ttgctgggaa 420
 tgctcttttt ccntgggana tccatgtant ccccatctca ttcaggagct ntcctnagga 480
 tatca 485

<210> 251
 <211> 566
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 251
 taatcttttag aacttaaatt ctacaagaat tttaaatatt ttctgtatat aattatgaca 60
 ttgtcacaca gaaattacac attttatgtg ccagaagcct taaacatctt tctgtgaaaa 120
 tgctgatata ttgtgacagt tatttcacat ttgatatgta gagaggaata ggggttagtt 180
 tatgtttata ttgaaaaact ttaaagacta tttggaagtt ccagaaattc tggttttaat 240
 tcaagtaaaa tgataaaata gtcattatat agttcagatg ctaatatctt aagtaataat 300
 atatatattac attgaagcta aaactgttaa gccaaaacaa tgcccatttt gtcgggttac 360
 agctcttccn gagtctagga gccngttggg gggttcngtcc cnactttaag gnttttaatt 420
 ggcccactta tttccgaaag gnttggttcc aaccaggtgg tattaataat ggtttttcnc 480
 taaaacnact ggggtatcng gccctgggg gggttttttt ncaatttnat taaaggccgg 540
 tgnatatattg ggggggcctt ttaaat 566

<210> 252
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 252
 gtaggctttc ttgtttaata gcagttaaaa gaggaaaatg tacaagagga ataaacatgc 60
 tcttttcaca gaggagcttt cccctaacca tgcggcccat ctgtatcagt agctttacaa 120
 gtaagtttta gagaaaaaag ttcccttttag agttaaaaat ggactttcct aattttctct 180
 atatatgtgc aactatctgt gtaaaataaa aatgccattt ccaacacctt tgtgaaaagg 240
 taattgtgaa tgcagggcaa aa 262

<210> 253
 <211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 253
 taganaattn nctgtaggtg ttcctttatt ttatcaaaaa tagtaatttt gtataattnt 60

aaatcaggaa atctaagggg acatgttacc caatcacaaac agctaataaa atgcctccca 120
 ttacagaccc agcttttttaa atattcaata acattcacag aattggcaag ttagtctcca 180
 aaaaattcta acagaaactg caactcaaaa agtgtgtcta tatcagagat ggtggtaact 240
 tcctcaaaga agttacatgc aaatnccag ggggtctcatg gtttacaagg tgac 294

<210> 254
 <211> 401
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 254
 acagtaccat agtattccac tgtctagtat actataagtg anctatatac caataatgaa 60
 tacttaaggt tgtttcaaata cttttattat tagaaaagtg ctgccagaaa catccttgcc 120
 atgcttctgt atgtactggg gctagtgttt ctatcagata aattttttaga catgaagtga 180
 attactaggc ataggnaata taatttacac ttttgataga tactgagttt ttgctcattt 240
 gctacatgaa gcagaggcag agtattctgt gtgggggttg ggacaggaac actgaccctt 300
 gaagtcgagc cgggggggtct aacatagggt ggtcatttgt ccagcctgtt ttatgggaag 360
 ggaactggga ctctgagctt tgggggggaat ttcccgaag g 401

<210> 255
 <211> 396
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 255
 ntanacccat acttttttatt tgttaatttc atcaccccc tcttcttctg atgtgggtccc 60
 caccacctct gacatgcacg cattggctag ggctctcac actgaggctc cagcgaagg 120
 gaagatgcaa agtccagtc ctccaggagc tagtgatgga agtcttgga aaggagagtc 180
 ccaagttcaa gaagacagct agggtagaag ggaggagggt cctcaagggg tagaggacag 240
 gagtccaagg aggtgggctc aggnatgcgg gtggggcgct caggagagagc ccagaaatct 300
 ttccaggggc agcactntct tggaacaggg gctnttgac ttnacgggta ccccgcat 360
 tttcattccc caaccttcag ttgggcccc cattgc 396

<210> 256
 <211> 231
 <212> DNA
 <213> Homo sapiens

<400> 256
 atttgaagggt taattacacg ggctttttta ttccatctgg aaaatacaaa tattcacaag 60
 agtctgtaca accttaggga caccagccct ggccctgccc tcagctgcat gccaccctca 120
 tatcccaccc ccatccccag cctcctgccc cgacaccccc aggtcccttg ctctgggttga 180
 agtattttct ccaaggcagg aatgagtcct tgatccaacc acagcatcta t 231

<210> 257
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 257
 tttcacagat acatatatat acttttaata ggaaattagt gctcaatact ctgccctttg 60
 tgtgggggaa aacattcttt tatacaagga tttttaccta gctattacaa tagtttaagg 120
 taatgtacaa tatatatttg acacagagag tgttattaga tgttcgact gcataaaatg 180

aatcctctag cctttgatgt cttaaaaaga agttttacaa ctattagtga agctaaggca 240
 ctacatattt tccttcacaa atatggattt gtgtcattta aactgaagaa gttggatctt 300
 tgtggtgatg acaggggat 319

<210> 258
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 258
 tttattttaa gatttaaggt ttttttaatt cagtaaactt ttttatata taacaacagt 60
 acaaattgtg tcctcagctt gcaaaatagg agtgtttcat atttacaata ggtacacaat 120
 aatatattag aataacaaaa aaccccaactt tattggaaca ttttaaatac ttaattttct 180
 tacagttttt attccacaac acctgtaaaa acaacaaaaac cagacaacca tcattgtatt 240
 ttcttaaaaa tatatataat acagattcca gtgtgtttga ggagtgggtt tgagcaggaa 300
 aagttgtggg gaaggcaggt gggctccggc ccctagtctc atgggatag 349

<210> 259
 <211> 349
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 259
 tttcaagttt aatttttaatt ttattagaac ccagtaaagt atgattttta aagnagagtt 60
 tccatcaaat taacacttaa ttcaggggcaa aanttcattt aaaaaaata tttnttaagg 120
 cagaagtaaa tnattataaa aatagtttgt ctaatacaga ctgtaaaatg tcagattttt 180
 aagagattca catagtattt tatagcacta aaatattaat acagtcagaa atattatcaa 240
 ttggtccaag atttctgttt ataaaatgtc tagactgcta attgaagaaa tgttgctgta 300
 taagtaatag ctacaataga accaaccaag tggattgttt tttatgaca 349

<210> 260
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 260
 tttttttttt tttttttcat ttttcatgac catttttatt aaaaaataat ttagttcttg 60
 gtgggaccat ttcaggaggc agggattggg gctaggggct gggcgggggtg gtgggggagc 120
 ggatctcact tttctctttt tcacctctg cccagctggc ctttgctctg gagaggcagt 180
 ctctttcctc ctgccttcct gagtaaggca ggattggcag tggctgacct cagccctagc 240
 tatttaggga ggcaggggca gagatactag gcaaatagaga aggggtcaga gacacagggc 300
 ggcttagaag atttgaggtc tgaacatgag aaatgagg 338

<210> 261
 <211> 523
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 261
 ttggtntggg ggnactttta ataatctttt attgtctgaa ttttttacct aagaatatat 60
 cattttataa attaaaaata aatttcaaac taagtggtaa gagtttttaa atctctaaac 120
 tgtatagatg atagagagag aaagatctag attggtccat agttattttct aagatacatt 180
 tactgaaagt tgacactata ggatttggct gacatgacaa gaagaacatg aagaaaatta 240

tccttttagg	attaaaagaa	aaaagcaact	aatttcgaat	catctagggt	aaaatgaatt	300
aataacatt	gaatgggaag	tccacaccaa	tttcaaattg	gcctgggtac	ttcatctgcc	360
ctctcttctt	tgctaattgg	ccaatttgct	aagggatgaa	ccaggacacn	ggatgccttt	420
tatcagccgg	gaatttcacc	tacccttttc	gggactgcct	caaataaggg	tttccaccna	480
tttaggcctg	ccctcaagga	gncctgagcc	ngggaggtct	nag		523

<210> 262
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 262	cttcaacaca	gcagaaattt	atttcccacc	caggtaaggg	gaccctgagg	taggcagtga	60
	cttctgtcgg	cagcgaacta	ggccctctca	ccaggctgcc	ctaccgtgct	cagtgtctgcc	120
	tcattggtgca	aagtgggttg	tgagctccag	tcattcattt	agccngcnga	anggggaagg	180
	gnangggnaa	aanntttccc	ccccnctngg	gggatttctt	tncnncccc	cagtnaggat	240
	tttngnttta	ttataaggna	agaagagaca	gttagcngag	gcttcctgt	ccaccagg	298

<210> 263
 <211> 492
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 263	tttttttttt	atcagactaa	gcaacttgat	gaccaggacc	atatccccta	tttcttagta	60
	ttctcttcag	catttttagc	agagtaggag	tcggtgttga	atacaagttt	gtcatcttat	120
	ggattatata	ttaggggtgaa	tatcagagct	ggtgtccatc	atgtgaacag	gcagcatggt	180
	actggtgggg	agaggggtgg	aagtacagag	tactagggcc	ccaggagcta	atattgctaa	240
	cttgacaata	ttggtaaaag	ctagaccngt	taagaactac	cngcaatggt	tagtactgaa	300
	agcaaaaggg	gaaggattca	tcaggctaaa	ataaaaaggg	gaaactagca	ggttgggcat	360
	aggggcagaa	cccangggaa	aaccaaaacc	aaaaccccc	aaaaaactac	taggatttcc	420
	ccgaaaagtg	gggaaaagcc	cnaaatctcc	aggnccattt	aatgacagcc	aggtatttnc	480
	caaattgtagg	gg					492

<210> 264
 <211> 493
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 264	tttccaagcc	aacattttatt	nttgcacaag	cctgttgcag	tcctgagggg	atcttctggc	60
	anaggtntgg	gtaggagctg	agtggccact	gggggtgaagg	gagacagagg	aggctntgcc	120
	agcaggntcc	tatccagatg	atacatgaga	tggaggctcc	tcagccacac	tccagggagg	180
	gtgggggtgg	aaggggggatt	caggggataat	ggcattaata	atacaagtgg	taaacaaata	240
	accaagaggn	tctggctggt	tacgntacac	aaaanttagc	agtaagagtc	cgtgctttca	300
	cattcctatc	agacagatct	gagttcaaatt	cctgtatgtn	tagcaggggtg	aggtatctgc	360
	tttctttcag	agcccatggg	tgcacatctc	tgagcctagt	tacaacagtt	ggcacatagg	420

tnggtgacaa ggagggcagc tctttgatcc ctgnttgctt ccacagcaca gagagttaag 480
tatggctggg nta 493

<210> 265
<211> 2512
<212> DNA
<213> Homo sapiens

<400> 265
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tgtgacattg tcccagacgc ttgtaaaggt ggaatgaagt gtgtcaacca ctatggagga 120
tacctctgcc ttccgaaaac agcccagatt attgtcaata atgaacagcc tcagcaggaa 180
acacaaccag cagaaggaac ctgaggggca accaccgggg ttgtagctgc cagcagcatg 240
gcaaccagtg gagtgttgcc cgggggtggg tttgtggcca gtgctgctgc agtcgcaggc 300
cctgaaatgc agactggccg aaataacttt gtcacccggc ggaaccacgc tgaccctcag 360
cgcattccct ccaacccttc ccaccgtatc cagtgtgcag caggctacga gcaaagtgaa 420
cacaacgtgt gccaaagacat agacgagtg cagtgcaggga cgcacaactg tagagcagac 480
caagtgtgca tcaatttacg gggatccttt gcatgtcagt gccctcctgg atatcagaag 540
cgagggggagc agtgcgtaga catagatgaa tgtaccatcc ctccatattg ccaccaaaaga 600
tgctgaata caccaggctc attttattgc cagtgcagtc ctgggtttca attggcagca 660
aacaactata cctgcgtaga tataaatgaa tgtgatgcca gcaatcaatg tgctcagcag 720
tgctacaaca ttcttggttc attcatctgt cagtgcacac aaggatatga gctaagcagt 780
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aagaatattg ttaccttaaa gcactatttt atttatagat atacttagtg catctacatc 1500
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cagaattccc aaaatgaacc agataccccc tagaaaatta tactattgag aaatctatgg 2100
ggaggatatg agaaaataaa ttctttctaa accacattgg aactgacctg aagaagcaaa 2160
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ccaattctat	ggaatatttt	atacgtctcc	ttgtttaaaa	tctgactgct	ttactttgat	2460
gtatcatatt	tttaaataaa	aataaatatt	cctttagaag	atcactctaa	aa	2512

<210> 266
 <211> 1908
 <212> DNA
 <213> Homo sapiens

<400> 266	gggacgtcag	cggacggggc	gctcgcgggc	cggggctgta	tggggctccc	gcgcgggtcg	60
	ttcttctggg	tgctgtcct	gctcacggct	gcctgctcgg	ggctcctctt	tgccctgtac	120
	ttctcggcgg	tgacgcggta	cccggggcca	gcggccggag	ccaggggacac	cacatcattt	180
	gaagcattct	ttcaatccaa	ggcatcgaat	tcttgacag	gaaaggggcca	ggcctgccga	240
	cacctgcttc	acctggccat	tcagcggcac	ccccacttcc	gtggcctgtt	caatctctcc	300
	attccagtgc	tgctgtgggg	ggacctcttc	acccagcgc	tctgggaccg	cctgagccaa	360
	cacaaagccc	cgatggctg	gcgggggctc	tctaccaag	tcacgcctc	caccctgagc	420
	cttctgaacg	gctcagagag	tgccaagctg	tttgccccgc	ccaggggacac	ccctccaaag	480
	tgtatccggt	gtgccgtgg	gggcaacgga	ggcattctga	atgggtccc	ccagggtccc	540
	aacatcgatg	cccatgacta	tgtattcaga	ctcaatggag	ctgtgatcaa	aggcttcgag	600
	cgcatgtgg	gcaccaagac	ttccttctat	ggtttctactg	tgaacacgat	gaagaactcc	660
	ctcgtctcct	actggaatct	gggcttcacc	tccgtgccac	aaggacagga	cctgcagtat	720
	atcttcatcc	cctcagacat	ccgcgactat	gtgatgctga	gatcggccat	tctgggcgtg	780
	cctgtccctg	agggcctaga	taaaggggac	aggccgcacg	cctattttgg	accagaagcc	840
	tctgccagta	aattcaagct	gctacatccg	gacttcatca	gctacctgac	agaaagggttc	900
	ttgaaatcaa	agttgattaa	cacacatttt	ggagacctat	atatgcctag	taccggggct	960
	ctcatgctgc	tgacagcttt	gcatacctgt	gaccaggtca	gtgcctatgg	attcatcaca	1020
	agcaactact	ggaaattttc	cgaccactat	ttcgaacgaa	aaatgaagcc	attgatattt	1080
	tatgcaaacc	acgatctgtc	cctggaagct	gccctgtgga	gggacctgca	caaggccggc	1140
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	gcggccctga	tcctctcaag	tggccaaaag	cttttttaac	ttttcaatct	tcaccttccc	1260
	ttgccaacag	agggcactgg	ggtgaattca	agattttcat	cgaggtctgt	tcaatatagg	1320
	acaccccagc	ttgtccttgg	ctcatccaag	aactcttctg	tatctaaaac	aatacatctc	1380
	aatcttggcc	aagggaataa	ggactgcttt	gctggattgg	cactgagcaa	ctttaggaaa	1440
	tgctcgggtgga	gtgttcagca	agatcagaca	gcagtccagg	tcaaaggcaa	acacacacgc	1500
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	aagtgggaga	aaaaagccag	aatataactt	aagactagat	aactgcgtac	atgatggacc	1680
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	gatgactctc	agaacactgg	gagggtctgg	cacttgatgg	gggttagttg	cttggcagcc	1800
	tgcttgcac	tgagggaagt	cccattagag	atgtatcacc	accttgtcac	caacaggatg	1860
	atgtcaccaa	caggatgatg	tcaccaggta	ataaaccttc	atcctcac		1908

<210> 267
 <211> 3100
 <212> DNA
 <213> Homo sapiens

<400> 267	actcgtctct	ggtaaagtct	gagcaggaca	gggtggctga	ctggcagatc	cagagggttcc	60
	cttggcagtc	cacgccaggc	cttcaccatg	gatcagttcc	ctgaatcagt	gacagaaaac	120

tttgagtacg	atgatttggc	tgaggcctgt	tatattgggg	acatcgtggt	ctttgggact	180
gtgttcctgt	ccatattcta	ctccgtcatc	tttgccattg	gcctggtggg	aaatttggtg	240
gtagtgtttg	ccctcaccaa	cagcaagaag	cccaagagtg	tcaccgacat	ttacctctg	300
aacctggcct	tgtctgatct	gctgtttgta	gccactttgc	ccttctggac	tcactatttg	360
ataaatgaaa	agggcctcca	caatgccatg	tgcaaattca	ctaccgcctt	cttcttcatc	420
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gtcctggccg	ccaactccat	gaacaaccgg	accgtgcagc	atggcgtcac	catcagccta	540
ggcgtctggg	cagcagccat	tttgggtggc	gcaccccgag	tcagtgtcac	aaagcagaaa	600
gaaaatgaat	gccttggtga	ctaccccgag	gtcctccagg	aaatctggcc	cgtgctccgc	660
aatgtggaaa	caaattttct	tggtcttcta	ctccccctgc	tcattatgag	ttattgctac	720
ttcagaatca	tccagacgct	gttttcctgc	aagaaccaca	agaaagccaa	agccattaaa	780
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ttcctggaga	cgcttaagct	ctatgacttc	tttcccagtt	gtgacatgag	gaaggatctg	900
aggctggccc	tcagtgtgac	tgagacggtt	gcatttagcc	attgttgctc	gaatcctctc	960
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ttgtccttc	tctgaaggga	atcccaaagc	cttgtgtcta	cagagaacct	ggagttcctg	1200
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tggaccaat	gcacacaaaa	caaccctaga	gtgttggtga	gaattgtgct	caaaatttga	1320
agaatgaaca	aattgaactc	tttgaatgac	aaagagtga	catttctctt	actgcaaagt	1380
tcatacagaac	tttttggttt	gcagatgaca	aaaattcaac	tcagactagt	ttagttaa	1440
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<220>
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 <213> Homo sapiens

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<212> DNA
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<210> 289
 <211> 365
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

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 <212> DNA
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<220>
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 <211> 459
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 <223> n=a,t,g or c

<400> 297						
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aggagaaaca	taagctacgg	agtaattcac	ttctgaggat	gcttttccgg	aaaaagaaag	360
gctagaaaat	actccgcact	tcctccagaa	ccctctttcc	tggtaacggg	tatcctttgt	420
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 <213> Homo sapiens

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 acaggtccct cttccacatc aaatgaacat tggcttctctg ggacagaagg ccttcaaagg 420
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<210> 299
 <211> 622
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 299
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 aatttgcaaa gaaatgttac atactgtata tcaaactctc agattctagt gttgaaaaag 180
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 <212> DNA
 <213> Homo sapiens

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<210> 301
 <211> 442
 <212> DNA
 <213> Homo sapiens

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 gggacagggt gaggtccca gacgctcctc gaggtgcca gctctccagg gagcttctgg 180
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442

<210> 302
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

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<210> 303
<211> 493
<212> DNA
<213> Homo sapiens

<400> 303
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<210> 304
<211> 437
<212> DNA
<213> Homo sapiens

<400> 304
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<210> 305
<211> 444
<212> DNA
<213> Homo sapiens

<400> 305
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 <212> DNA
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<210> 307
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 <212> DNA
 <213> Homo sapiens

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<223> n=a,t,g or c

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<211> 411
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<220>
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<223> n=a,t,g or c

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	tctatccggg	cttactaaat	agtnggccca	atgtgctttg	tgtgtgtttt	tagaaacttc	360
	ttcattggta	cccattacag	aaaagtncca	tgtnattgnn	nttgaaaaac	cagnggtgtc	420
	nccctcttta	cccagggggg	ntggaanggt	cccttggnac	aattttttca	agtgnctcct	480
	tccctcaatt	cactnccnnc	ccggnnggna	tccantngtt	ccnnttctcn	ccnnnnnnnn	540
	nnnnnnnnnn	cnnccccccc	tccnccccct	nnctccnntc	cncncntttt	tc	592

<210> 327
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 327	ctctagcaca	gaggcctgag	tcattgggaaa	gagtcacact	cctgaccctt	agtactctgc	60
	ccccacctct	ctttactgtg	ggaaaaccat	ctcagtaaga	cctaagtgtc	caggagacag	120
	aaggagaaga	ggaagtggat	ctggaattgg	gaggagcctc	caccaccccc	tgactcctcc	180
	ttatgaagcc	agctgctgaa	attagctact	caccaagagt	gaggggcaga	gacttccagt	240
	cactgagtct	cccaggcccc	cttgatctgt	acccaccccc	tatctaacac	cacccttggc	300
	tcccactcca	gctccctgta	ttgatataac	ctgtcaggct	ggcttggtta	ggttttactg	360
	gggcagagga	tagggaatct	cttattaaaa	ctaactgaa	atatgtgttg	ttttcatttg	420
	caaatttaaa	ttaaagataca	t				441

<210> 328
 <211> 477
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 328
 gaaagctgac agtctgttct ttgtaaactg cctttccctg tttttctggt ttgttttggt 60
 tctcaagttt ctttttttac taagccctt ctgacaccta ggcagataaa gataagagta 120
 gtgcgcagta caaatgtcag ctctgaagag gaggaagtaa atcttcaatg ctagggcaga 180
 tcttcactat cctgatcca gtcttaattt gagcatgaga gcaaaattta gtcactctaca 240
 caagaagcaa aagcaaggaa tagttgttgg gtttttggtt tttggttgg gtcctntnttn 300
 tntttttagg caagaagtgt tgccggtagg natgtgtgct ttctttgcct tcctatttcc 360
 tttcaaagaa atccctgtaa attcaaaact gtgaaattgg gttgccaaaa actgttgncc 420
 tcggttagatg cctccaacag tgtaaactna tactgcacca tgtccacctn tgggtcc 477

<210> 329
 <211> 491
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 329
 gcaattttct caactaaaaa tagagatgat aatccgaatt ctccatatat tcactaatca 60
 aagacactat tttcatacta gattcctgag acaaatactc actgaagggc ttgtttaaaa 120
 ataaattgtg ttttggtctg ttcttgtaga taatgccctt ctattttagg tagaagctct 180
 ggaatccctt tattgtgctg ttgctcttat ctgcaagggtg gcaagcagtt cttttcagca 240
 gattttgccc actattcctc tgagctgaag ttctttgcat agatttggtt taagcttgaa 300
 ttagatccct gcaaaaaggct tgctctgtga atgtcaagat gtaattgtaa atgtcagtaa 360
 tcacttcatg gaacgctaaa atggangaat gtaagggtatt tttttaaatg gtgggnggaa 420
 tttccaaaat tnggtttgac cnaattccgg gaaattacca aggatttctt atggccggga 480
 ttacnnttc a 491

<210> 330
 <211> 477
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 330
 gtgcttcatt ggtatttatt gcacatggac caattcctca cacagtagtt agttgcacca 60
 gagtataaat acttggtaaa acacacaaga ggaagtagaa tttacacaca agtgctaact 120
 ttcaccagca aattcacgtg ggcacttgga cataaaaaaa aataaaaaat ctttaagata 180
 attatattta taatatggat acagttacag taccatgata aaggagtata aaaagggtatt 240
 ttcccaatga atcattagct caataacata ctagacaaca gaagtagagt ttgaatttta 300
 tttaagatct gccagcccc tctcccttta aaaaatatatt aatttctttt tgtgcaagta 360
 acatcttctg tgggattttg taattcctaa cactgtggca aaaatgggca ttttggaacc 420
 actccttttt tttggttttn ggtttttatc cacatgngca gtaatcngga actgggt 477

<210> 331
 <211> 460

<212> DNA
<213> Homo sapiens

<400> 331
 tttttttttt ttttttttct tacagtacca tgggaacaac agtgattgac 60
 ttgcaaagtt ttctgtctct atggaaaatg caaaacagta ctacagaaat acacaatgca 120
 ctgtaagcag cggtttgctg tagtggtcca acaggtacaa gcaaacattt tggctcagct 180
 aggcagtaat ccacttaaac cacatcccgg ggctacggcg acccaaccac agctcctgtg 240
 ggatcaaaaa gaatgggtct gtttaaaaat aaaaattgtt atgttttgtg ctgctgtcca 300
 aaggctcaaa ggacagagtc atgaggcaga agtttcccaa ccagatctag aatcactggg 360
 accacttcct tcctttccct tctaccaacc tagagacttg gactatgggt tcaaagtgaa 420
 attggcattt ctaacaatga ataccacag ccctcactta 460

<210> 332
<211> 273
<212> DNA
<213> Homo sapiens

<400> 332
 ggagataggg tcttgctatg ttgttgccca ggctggtctt aaacttctgg cctcaagtga 60
 tcctcccacc ttggcctccc aaagtccttg gatttcaggc accagccacc atgcctggcc 120
 acaaagacta ttaataaagg aaaaatcctc aaaatgttac ataaagatca catcacaaaa 180
 cttttacata cagtgttatt ctgatttatt tttgaagggg taaggagaag gaaaatatat 240
 cacttttaaa acgtggaact ttcaatttgt tgt 273

<210> 333
<211> 320
<212> DNA
<213> Homo sapiens

<400> 333
 ggccaaaaat actgtatttt taaccagcaa gatcattggg gcattattat acaacattag 60
 gtgttttttg caaaactagt tcccatcccc aaacaataga cagtacatgc atttgaatga 120
 catttttagga acagtaaata ttcttttaaa tactgcaagt taaaaatgtt ttctgacaaa 180
 actccctaaa tacataggtc tagtaagggt ttccaacagg atgatgggtg aggaatccag 240
 caaggagtgt catttagaag agttctttga ggaaaagaaa tccaccaaaa acgtgtttca 300
 gtcaaagtaa cctggacaaa 320

<210> 334
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 334
 tttttttttt tcagctttta actgtttatt ataaagacat atttacacag aacaatcttt 60
 acaaacattg aacacagggg aaggggaacaa tttcttaatg aacagggcct taatatcttt 120
 gtataaatta gtataagaat cataaacaac cacttttaaat aaggcagccc ccctagccca 180
 cccactaccc tcttctgttc cctatctccc agctttctta gccatccccc actttctccc 240
 cttccccacg ggettgggct tggtgcagg tcatggcagg ccgatgagna gngagacaca 300
 gaaaggaagg gggaaagaag gcccaatccc tgatgggggc gtcagtggca gaagagactt 360
 tctgggcacc gaccagtcct cactccaagc atggagcctt taagcagcag cagcagcagc 420
 agcagcgtta nagcaagcat aggtaaaggg gcttgggg 458

<210> 335
<211> 397
<212> DNA

<213> Homo sapiens

<400> 335
aacaagaat acattattat tattataagg tactcatgag taaagaacaa tgaataatat 60
acatctaatt ttttaatact caatgcacaa tcaacatttc tgatcaacag tataaaccat 120
ataaaagaga attctgcttt tcatttgtac aaatactgct ttcattcattg caaaactttc 180
aaggttaaaa cgtaccatat gttgaagcta taaagctatt gcttgaatgt ttctaaaacg 240
aagttatttg ctgtctgttg ttaatcggtt acattgtcac ctctaatacc agtcatcaaa 300
tccataggat ctcttaattt ccaagagatt gtattgtaca gcaagattat ttttgtggcc 360
aatcagggtc ataggattcc ttttttttta aagataa 397

<210> 336
<211> 412
<212> DNA
<213> Homo sapiens

<400> 336
cacctttctt ttgtttattt atattcttta gttttgtgca cactttgagg aattgattta 60
ggacagggtc atactgaaaa aaacctcagc tgatgttatc tgtgggggct ggggagggtg 120
tcaggacat ttggtggctg aggagagcgc gtcactgcta ttgaatagct ccatttaaca 180
ccagccatgt ctccgcgtct caggcacttc tgtgaaatgt tctcagaacc ctgtgggtgac 240
tgccgcacac ccggcaggcc ttgctagcac acgccgccca ctggcagggc ccggccaccc 300
tggctgttgc cattctttcg tagggttttg ttcattttac tatttgtcat ttttctagga 360
aacatctgtt tttgtaaaac aaacaagggg gaatcaagta ttttaaccac aa 412

<210> 337
<211> 656
<212> DNA
<213> Homo sapiens

<220>
<221> misc.feature
<223> n=a,t,g or c

<400> 337
tttttttttt tttttttttt tttcctaaag acagcatgct ttattttctc aaaattccat 60
atgtgactat gagcgtatgg agaaatcggt tgatttttaa atttattgtt ttgtccttgg 120
taggcaatct ccttcaaata ttattagcaa aatcaaacat agatcaaagt atgtatttgc 180
atcttctgat tgaaattaaa cagtacttgg tttcaaattg tttaaaaata acacttttta 240
aactggagtt gatattgagg atcatgtaaa attattcttt atagactttg cattctaaat 300
atgaagttaa ttgttactac ttattagtta attccacggc agattttcat ttctatcgaa 360
tatattatat gtagaaacta gggcctaaat aattaagctg acttttccta ttagttattc 420
cttaagataa aattatgctg gtgaaaatga ctggtgaatt tctcagaaat taagctctat 480
agaggctaag taatcgaaag acttttcccc tgaataagta caataccaga agccaaactc 540
tataaagatt tcgnattata atccaacnga ggcntaaaat tatgaaaagc caacnttccc 600
taaangcccc tgaatggaat cntctaagtc nccagtttag ttntctggata aagngc 656

<210> 338
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc.feature
<223> n=a,t,g or c

<400> 338
atcatcataa aaaatattta ttataaaaaa ttatcacatt tctctgtaca tagcataaag 60
acaaaaacac aatgtatata ttaataaatt aagtgggctt gagtattcag tatccatcta 120

ctagaatcct	aaagctcttc	cccagatttc	acaaaggcca	atgtagatta	tttctatttt	180
atcaaagttc	atgtgcacag	ttggtgtaat	tgagatacta	acatttcctt	tttctagtgt	240
tttaaagata	gttcacagta	tttgagttaa	ttaattaatc	aactgattta	aatcttttgg	300
aaatacaagt	atttacatgt	aaaaatgttt	agctcaaatt	tcagtaaaaa	actggaaatg	360
accaataacc	tactgccaac	tgttttggtg	taatccagaa	atgcatgagc	cggactccca	420
ccattaagaa	atggcactgt	cnaggacctc	ngatgataaa	actggaatcc	ncaaaaaaat	479

<210> 339
 <211> 391
 <212> DNA
 <213> Homo sapiens

<400> 339	acaagtatct	acaaaaatctt	tataaattca	catatttttc	tgaaagtgtg	caagcagtct	60
	caattttactg	ggacaaaaat	gaacattttt	gttcttttagt	aatgaagtca	atgtacaatt	120
	cagagcaggt	gtccatagaa	acaactaggt	ttgaaaaaac	ttaagacaat	tcacagttga	180
	aatcaaacia	acactgtgaa	tgtgttaaat	acttgccata	taacaacgct	ttaacattga	240
	tcttgctaaa	taaggctatg	attcataaga	tgcatgtatt	tccaaagctg	tttaacattc	300
	ttataaatta	attcacagga	ttcaaatagt	tgttttttag	cttcaactgg	gtattagcaa	360
	aaataatata	aatgatccc	cgtgcaagca	c			391

<210> 340
 <211> 523
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 340	cccattgggt	gacagcgttt	attgaaagga	aatcttgctt	tatccaggaa	ttcactcaca	60
	tggaggtagc	tgcaaggaga	atgtctcttt	ctcatgacaa	ccaaagcgac	caaaccatac	120
	cctaaagcag	agacgcaatg	gaataagtca	acgggcattg	tagaacgaca	ctcagaagca	180
	ggaaaaacca	taaaagatac	aggatgattg	tctcttcagt	attgcatttg	gccatgtatg	240
	tgtttttaca	taaaatatat	gttttctttt	taagctagct	aaagaaaata	ctcttgatcg	300
	gggttagttc	ttaaagcaaa	aaacagaaga	aaagtatgta	tatataatan	aattaaagaa	360
	cgatagcatg	ttatacctgg	aaaggaccgt	gggcactaat	ctgcactttg	ttccaggtaa	420
	tccatggctc	tgagagttag	cacactgtca	aagtcactgg	ggtgagatga	gccgggactt	480
	ggaaaaccct	ctcttaactt	tcagtctcaa	ctcctccac	tcc		523

<210> 341
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 341	tttttttttt	tgctgatcta	gacttattaa	atatttttca	tgtcattgtg	gtcactttta	60
	cagctgttta	gacttatttt	caatcacatt	actcttcaca	gaattcacag	aattcattaa	120
	ctaactagta	tgttacatcc	aagggttctt	agtagcacat	tgaaatagaa	aagaggccca	180
	cgagttgttg	cttgtgtgtg	gaacctgagt	ctgattactt	agacagatgt	ctagaacatt	240
	attgctttat	taggcctatt	tttaaaaata	ataaattatt	cctaggaaac	ccaccctgcc	300
	aggtgctcat	tctgcgactg	ctgtgggttc	actcagaaca	tacctgactg	gtgggtgctg	360
	aatgaacctc	ccacccatgt	accctgctgc	tccggacgct	ctgagggcta	gagcaatgcc	420
	cctccatggc	gtgtaaacat	tttctacag				449

<210> 342

<211> 185
 <212> DNA
 <213> Homo sapiens

<400> 342
 tttttttttt ttttttttcc aattttaaca tagaacttta ttgaaaacac agactcaaat 60
 agagaaccat atattttaaac aacgaatagc agggtagctt acttaggtga cacagttcat 120
 tgaaaactta atactgaaaa ataccgcaat ctggacagca agacaaatat caacaaatgt 180
 gtttt 185

<210> 343
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 343
 aaaggggaaa aaaaaccagg attaaagggtg attccaactg gtaacaacaa atataacagc 60
 ttgaaaaact catgacacag acgcataaat ataataaa aagacaattt taaaattgta 120
 ttgtaggaat ataactataa taagtggaaa agatacatta aaaccatcag tgtgttacac 180
 ttgttcaaaa cagaactcat aaggcagacc aaaactgatg caagttaagg aaaatggtct 240
 gtttttagga agcatgtcca gacagacacc acaaagaaat gccaacagag actatgtggt 300
 cccctcttgt tactagtaat gtgtcaaagg tggagtgact gggttaacag cctaagcttt 360
 ctcc 364

<210> 344
 <211> 543
 <212> DNA
 <213> Homo sapiens

<400> 344
 taagagtgtt ttcagtattt tattaacaaa tgagctggca agaggacaag tgatctagta 60
 gtatcacccc caccctcatg gagcagccac cacaagccca ccatggtggg ggggtgtccaa 120
 catgctctgc tggcccagtt cccagccgat cccctgagtc ttggcgcccg tttagtcacc 180
 cttcagctgc ttgggaggca ggaagagact tccccctctc acgaggtaag ggagacaaaa 240
 gcagccattt ggatgccagg gccacagggg caagccatgc cctatttctt tggagggaca 300
 gaatcacttc ttcccaaggc cagacactgt agcccatggt actcagcctt ctagaggagg 360
 gtgccttagc agaggagaag ccctgagtgg aagcagcatt ttgaaggcat cgtcattctt 420
 agaccagcta agagctgagg gcattctcta tctttgccag cagacagtga gactcccgga 480
 ttaaaattaa aagcccgtgg tgcacccctt ccttgacatt aactttccac aaaaccttgg 540
 agg 543

<210> 345
 <211> 467
 <212> DNA
 <213> Homo sapiens

<400> 345
 attttataaa cataactgca tctttaattg ggtgtacttg aataattgaa aactgaacag 60
 caaatcaatt tttatggttc attttctcca acaaacaaca atattaaact gtatgagaag 120
 taatatattat tgcaacagggt tatgagggtg aaacaaataa ttagtcttac aatttgctag 180
 aagcatgaca gagcttacta acattttgaa gaaaaaacag caaagaaaga aatcatcaaa 240
 caagatggta tcttgacaaa ggcacagcgc tccacaactg cttcatactc tgtgcacaag 300
 aaatcctctc gagagaggag aggagtgatg ccaaattggc ttacattaga cccgtggaca 360
 ctaccactgg tattattcat acaaccaagg ctctacaaca cccctctgga gaaaaagtgc 420
 aacacaaaat ctgtgtaaca aaggaaagca aaagtagcaa taagggc 467

<210> 346
 <211> 379
 <212> DNA

<213> Homo sapiens

<400> 346
tactatctag agtctagagc tcacagtaca gagttttgtg aaatacgggtg cctatgagaa 60
ttttcccatg gtacacagaa gccacagagg tgccctgaag cacagagcca ttgttggcat 120
acacgggtgct caccctgggc ttctcagaca aaacattctg gatgcgaagt acttctgac 180
ctggagggtc ctcagggtta tagttcagta gcttcatagg attaggatgg catcctgcca 240
aaatgtctcc tgtggcagga tcgacagtca ggttatccac taagggtgcc aactgtatca 300
ccttcagttg agttaaatcc cagttatcat gtttttccat tatgtgaatg gtcctaactg 360
ctacatcagc tacatagac 379

<210> 347
<211> 384
<212> DNA
<213> Homo sapiens

<400> 347
gctacctcaa attcgggtggg caacgatagt taacactttc ctagttttta gtttatttga 60
ctgcattcat acatatctga tcttcacgac aacactgtga caaagggaga ggcaagaatg 120
ataatcttca ttttacagac tgaggaactg ccgacagacc tgccatctgt ccaggccaac 180
ataactaaca agtagtggag tccaagacct cagcaaaagt tttgttcttt tacttttgtt 240
agagtggaga agaaaaaaaa aaagggtttac aatgattact gagaaatgaa gaaataagcc 300
actgtttctt acaagtagat ggtcccatat cttaaacttt gggaagata tttaaaaata 360
ttttttaaat agctggctgc tgga 384

<210> 348
<211> 341
<212> DNA
<213> Homo sapiens

<400> 348
ataacacttg aaagtataaa atgctacatt tccaaaaata tatatatttt tttctgcacc 60
agcacccttg tatagtaaaa gtatctactt tttgttcatt tgtttcaatg cactacactt 120
tatctacaat ttcattacat gtatacagca aataggcaag catggctttt acatccttaa 180
tgattttttt ctatacaggg aggtttaaaa aaaaatactt gaacagtttg ccagtaatg 240
tgacacataa tgcattgtacc ttgttctcat atttttttag gtgtaaaata aagattcagt 300
aattttaact cagatattta tcttttttaa aatagtgttg c 341

<210> 349
<211> 410
<212> DNA
<213> Homo sapiens

<400> 349
tttttttttt caaattcaga gcatttttat taaaagaaca aaatattaag gcacaaaata 60
catcaatttt tcaaatgaaa acccttcaaa cggttatgtc ctacattcaa cgaaacttct 120
tccaaattac ggaataattt aactttttta aatagaaaaa tacaagttct taaatgccta 180
aaatttctcc ccaaataaat gttttcttag ttttaagtga gtctcttcat gcagtactga 240
gctccaatat tataatgtac acttccttaa aaatctagtt ttgccactta tatacattca 300
atatgtttta ccagtatatt aaccagtata ttaaccaata tgtaaaactt cttttaagta 360
taaggcttgg tattttgtat tgcttattgc atgctttgat catacaagac 410

<210> 350
<211> 400
<212> DNA
<213> Homo sapiens

<400> 350
ctttaaaacc atttacttac aaactttaat tcagcaaagg tccgtgtggg gagactgggg 60
tggggctcggg ggaatagtcc ccttggagtg gatgtggacc ccagagtgca agggagggaa 120

gctggtggcc	cagttggctg	ggggcaaggc	caggggtcac	ctcaggtcga	caggtcctgc	180
tggtgggcgg	gcccagagtt	tatcttcatg	gagtgtgtgt	ttctggcact	gggctggaag	240
gaggccagct	ccagggatct	ggcctggggt	gggcaggcag	aattcaagaa	ttcatcttca	300
acaagcgagt	gacagcagag	gctccgggag	atgggcacaa	tgtccgactc	ccacagacag	360
acagcagggg	actggcagag	aaagcccatc	tctgcacgga			400

<210> 351
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 351	cctttttcca	atcttcattc	tcggggttgg	cccgccccga	tagtcaactcc	atgtcctcgt	60
	ttactggttc	atcttcgtaa	tctctgtcat	ggtcaaaaac	tggactgtgg	ttggctgttg	120
	tcactaagga	cagggggcct	tcagcttcc	ctggatcgag	gggctcttct	ttgacgtgta	180
	caggatgcac	ggcttgcata	ggagatctgc	ctggactgct	gtcactctcg	ttgctgtttg	240
	tatgtctcat	tgccccgttc	agctcttccc	gtattgcgct	ggctaagttg	cccagagtgg	300
	gatttcccat	ggaagcggta	gtgtatagag	gtatacta			338

<210> 352
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 352	agtattatca	tttattgagt	agctacactg	tggccagaac	taagctttac	atgttttata	60
	tcacttattt	atctcaacaa	tcttgaaagg	gtggtattat	tttccccgtc	ttataggtga	120
	agactctgag	gttcagaaag	ttaaagtgat	atcgccaggg	ttcctgactg	gtaagtgatg	180
	gaggctgaat	ttgagccaga	tctatatgct	ccatcatcac	tctcctgggg	aaaagagcct	240
	agatgtgttc	tatctgcatt	cctgcttaga	ttctgcatga	cttctcctgt	ccatccccct	300
	ggccccctct	cctctagtcc	atgagattac	agctttgcac	actgacagga	gggtccttcc	360
	ttcttagcct	acacatacaa	ccaggtgtca	aaggatggaa	gggttcatct	cacacactca	420
	cagaccatgt	agactattca	atctacacct	ccagctcgaa	ctcagaaca		469

<210> 353
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 353	ggtgtggcca	gagctccaat	ctgtgtcaga	tatttattta	tgctgcttat	taaggggtct	60
	ccaggcaccc	ctgtgacaga	agagactaat	cagtcacag	ccaggacca	ggcatgtcct	120
	gggctcctgt	gtccagcatg	aggtctgtgg	ctgatcttgc	agctgaggcc	tgaaggggtga	180
	gcgaacattg	acctgtccca	actttgggcg	gcctctgccc	cataaggag	actgagcagc	240
	cagaggcttt	aaggggatga	aggcctggcc	tgagcccatg	tggccttagg	gtggaagcac	300
	caggaccaca	gaacacgtgt	ctaaaagact	tgcctgcttc	taa		343

<210> 354
 <211> 547
 <212> DNA
 <213> Homo sapiens

<400> 354	tttgggtttt	gtaaatcatt	tattatgact	gaaagggaag	aaaatgatag	gagacaaata	60
	ttacaattaa	acatgtaaca	ttattctctt	gtaaccaatc	ataataacat	actttgaatt	120
	tttgaatggc	tatataattt	cccagaaaat	aaaattttca	catcatcagt	tacagaaaat	180
	tgattttcctt	ccatcaaaaat	attttatctc	tgctctatca	aaaataaatg	ccaagtctaa	240
	ggtactacac	agtttaagat	aagccttcac	tacttgttta	aattagagga	gtgtggggag	300

gggcttacca	aatgatgaat	aaactactgc	ctgagaataa	agccctcaca	cataagtaac	360
agctctgtca	agcctctggt	caccaactaa	ttattaaatg	gctctctagg	aacttagaaa	420
ctcttctgta	accagccaa	aaggcttctg	agagtcacat	caaactgggt	accagtttat	480
tctcaaaaac	aaatttgctt	attcgatggg	cgactgtggc	tcaaaagatg	taggggaaac	540
agtcaat						547

<210> 355
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 355	tttaatttta	aagaaggtat	atttatttta	caaacatgta	tgaactattc	attaacaatc	60
	caggactgtg	gaggacaggg	gacagaaaca	agcctcgaag	agatcacat	atggtggagt	120
	gcatgcatgg	cacacctggc	tatctgaatc	agacgtttgc	ctctgtgtgt	gtgatgaaga	180
	cagtagtgag	tggaatggac	agagagtaac	tgtaaattct	gtagggagga	aaacgaacgt	240
	ttactcattc	tctaacagtc	ttttgcttta	ctatgggtcat	atacaacagt	taatctccca	300
	tcctcagttc	ccagataccc	accagaaaac	cggtaattaa	cctctggata	aactttcact	360
	gattacagat	gaggagcgag	gcaaccttaa	gccataaaca	atattcctac	agtatggggg	420
	agc						423

<210> 356
 <211> 379
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 356	ttttgtggat	aatatttatt	tgtatcttat	ctatagaaca	aatatttaca	gatacaaacg	60
	gaatcacagc	aaagttgcta	taaaaccatc	cagacctctc	gatggccact	tctgaaaaca	120
	tccacggtga	agggcagggc	aggcctggct	gtggagtggg	ccagctgagt	acctgggcgt	180
	cacaagggaa	atggttgggg	attatggctt	cagcactctg	ccggagcaca	ttcctgagcg	240
	ctgacaacgt	ggagccctca	ccgccccac	ctaccccaac	ctcaatgggg	aaggaaaggg	300
	gcctgagctg	ggcagggctg	ccgnngctca	ctatgtgcct	gctccaggag	tccttggccc	360
	ctgtgctggc	aggagcatc					379

<210> 357
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 357	ttttttggga	tttcattatc	tcagtttact	ttaatttgct	tgtttacaca	cacgatctgt	60
	gtgtacataa	cagtggcaag	agccattctc	taaataacaat	ctggtaccca	gactatgaca	120
	gatgcacgtg	gaaaatgagg	cgtcagtga	ttaatctcaa	catagaaagg	caaaataagc	180
	atggcagtat	tctatgatca	cagatgcccc	cagagcctgg	gggtaaccga	cacttttcaa	240
	cataatacag	gacaatttta	acaaaagacc	cagactccaa	atggcaccca	aaatatattc	300
	gtttctctgc	cttctctaga	ggagtcagaa	agttctaaag	gcttactcaa	gaaaaaggag	360
	gcagggagac	tatggcctgc	taagcacaga	tgc			393

<210> 358
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 358

ccagtcgggt	tggagtttat	ttctgccaga	gcctggaggc	tgggagggta	aaggacactc	60
cttttagtccc	agaggggaagc	tccgaaccct	cagagcaacc	agaagggagg	gcagagcatg	120
ggcagcagca	ggagttagag	gggtcccctt	gtcctgcccc	tttgcaaggg	ttcaaggctg	180
gtggaggcct	ggggcttctg	tcgtctcagga	gttcaggggt	ggacgcagaa	atgggggaag	240
gagagtggct	acgtagagag	tgagagcgag	attcctaaaa	agatgcacag	agagaccctc	300
agagagaagc	agaggggaatg	ggttgactg	gctgaggatg	gtggaggagc	cgtctcactc	360
ccttcctaata	gtctatagat	caataacgag	ggaagaaagg	aggacaggga	gctgatggaa	420
acacagcttg	ccaactgtac	ccagtccccc	aacaagc			457

<210> 359
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 359	ttctttttttc	agtttaattc	catttattat	tctttaagga	tacatacatg	gagataaagt	60
	gatgaaagag	aagaaggcta	tggtaacac	aaagttcagt	acaggggttc	cctctatcag	120
	acagggatag	agatagggttc	agcaaaccgc	acacgggtacc	tcaggggaaa	ggcaataagg	180
	tgggtggtag	gcacacaggg	gtttgtttat	tgtcattatt	attactcttt	atacttttagc	240
	atatatatta	tatgtgtata	tacatatcta	tattccattg	catgta		286

<210> 360
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 360	ttttttttt	tttttttgc	ataagataat	ttattacaga	ctagcctata	atctcctgta	60
	acaatggcac	atataataat	taacaacagc	aaagatgctt	ggtttcttgt	ttcatgtaat	120
	ggccagtaca	tctgtggaca	atgtcgagtc	ctcaggaagt	ccaggaggct	gctacagagg	180
	aaatccaaga	accatgtcac	atctctcaac	aagtcttggg	aagtccatct	gactctctga	240
	aacagtttgt	ctctgacctc	ccaggaagtg	tggagggccc	cttccatcca	gcctgtacag	300
	agggatcaga	gtccaggctc	cttctatagg	gttgaatata	agaggggaat	agcaaatgac	360
	cccgatgaga	gagagagaga	ccaaaggcta	gattctttct	gcaagggtgga	ggacggctag	420
	aaggcag						427

<210> 361
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 361	gagatataaaa	aatctgtatt	tatattacaa	tgacataagg	acacagcacg	gcccacacgg	60
	tggacagggtg	gccggggcca	ctttccccct	ctagcgcacc	ccccctcacc	ggcaccaggc	120
	cctcgtgtgg	cccccgactc	tggcacggaa	cctgccctag	tgcccaacat	ggacctgggg	180
	ccacctgtct	ggccgagggt	cagggtcctc	tgtgcaggca	gtggggaggg	ggtcccaggt	240
	tccctgacag	agggaggcag	ggcacggggg	agcctgcctc	acccagcgga	cagcacgggc	300
	cggggcagac	agagcaggga	ccctagggcc	acagaccggt	acaggggttc	accacccggg	360
	gacacaggcc	caagcaccg					379

<210> 362
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 362	gctgaaaagg	catgatttta	ttgcacactc	acaatatgac	agggtgctgtg	ctactcatca	60
	acactctttt	caaaacagga	tttgagaca	ggattcttca	aaagagaact	gcacattcaa	120

ctaaacatgt	ccaaaaaact	tcaactcttt	tgaattagtc	tccaaatcta	cacaaaccat	180
agaaaataga	agatcattaa	aatacatgat	tatacacaga	caaattggaca	aatgaaacag	240
taattaatat	tgcttgagct	cagattgctc	ctgtaagatc	tgacagaaatc	gtatgatggg	300
gtaagggtttt	ctagaacaat	atttcacatc	gagataatgg	cagtatctca	ttagactaaa	360
aggagatgat	agatgctgga	agatcagttt	tcatac			396

<210> 363
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 363	gcttataaat	ataatttatt	acctgtttta	aaattctttc	ttacattttg	tacatgttgg	60
	ctgacagaat	aaatgcaggc	aatttacaaa	ccaaggggac	tgacagggaaa	atcaggattg	120
	gcagccaggg	agagaaaaga	ggcacacccg	gagctgggat	ccctcacctc	caccactcag	180
	caaggcgccg	gacagatatc	cggaggcact	ctgcctctgc	cgggggggtt	ttttagaaaa	240
	ggaattgcat	agaagataca	gcaagaggga	actccacaac	aacaaaagtg	ttccatatcg	300
	gaaaagccaa	ggttgtcatg	ttttgtttta	aaaagaaaaa	cgacaaagca	caaaacctca	360
	atccgacctt	tctgcagttg	aactgttcca	aaggggacag	taggtggatg	acactgcctc	420
	ttcaacacga	ctgctgggga					440

<210> 364
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 364	tttaacagag	gacgtcattt	tattggctgt	ccacgggaag	tttcatcaca	cacggaggtg	60
	aagactgtgg	gggttgtggc	acacaatatc	tcaacacgag	acctcatcga	gcggccaaac	120
	agaaggtgaa	gtgacacccg	acacgacgga	acccagccg	ccctctgcag	ccccgggtgc	180
	acctctccac	agacgcctca	gcccagtaag	ctgagtgatg	acactgtcca	ttagtctcag	240
	ttcgttgcac	tgtcttccaa	caaaacagca	cttgaaaatt	cacaaaatta	aaaaaagaaa	300
	aagaaagcag	cacttccttg	gaaatagcaa	caccactgta	acacagacgg	cagcgtggca	360
	tgcagatcca	cacctggctg	gttttttccc	tttaggattt	tttttttttt	taattaacaa	420
	atggaatggc	aggtctgttt	caaatattag	tagcataaca	cataagtgca		470

<210> 365
 <211> 500
 <212> DNA
 <213> Homo sapiens

<400> 365	ttttttccgc	aggtctgaaa	tggactttta	ttggcttttg	tctctagaat	taccaccccg	60
	ttcctgcgct	ctacggttct	ccatgcccc	tccagtttgg	gggtctaaac	cgaacaggag	120
	aggtgcaggg	gaccaggagg	tgtcctggca	caaaggttcg	gggtctctcc	tggcaagggg	180
	tcccagggcc	tggagccgag	gcccagccaa	aagcacacag	catcaaaaca	tgtttttagt	240
	gggaagctcc	aggccctgcc	cctccccggg	ggcctcgagg	atgtggagca	ggtggaatcc	300
	tgtctgcctc	caggtcatgg	cagtgcaggc	ggtgagctgg	gggccagcag	gggcgcggac	360
	agtgcggcgt	ggtcgaacag	agggttgcgc	acctccattt	ccccggtcgg	ggccaggccc	420
	gggcactcgt	acaccgtgaa	gtctccgtcc	tcattctcct	catccgagga	ggccgtgtcc	480
	agctcctctg	ggtggctctt					500

<210> 366
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 366

tttttttttc	ggcatcttat	ttggttggtt	ttattgttct	gtggcctcct	cccacctgct	60
aacatttagg	cctcagcaca	tccggtggct	acaactagga	atcacacatt	agtaagcaag	120
ttcatttcca	tttctgaag	gatgaattta	tcttggaac	atttgagatg	ggtacatacc	180
tcccagagcc	agacttgga	ggaatctgtc	aaaaatatca	agatgctgag	ccttgtctta	240
gaaaggggct	tcagaaatgc	tttcatgggc	ggcggcttct	tcccggggta	aaggtctcgt	300
ggagctgcag	ggccttgctc	ccaggatggg	aaaacagga	cccagagctg	ttaagtggct	360
cccacaaagt	cacccaacca	ggctggggcca	aactgggttt	gatggc		406

<210> 367
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 367	ttttctcata	aacaggaact	ttattaaact	acatgttaca	taaaagaaca	tataaatgga	60
	ccattaaata	cattcagttt	attttaaaca	aatttacata	gatacttatt	tacatttctc	120
	cattgtattc	ttaaattatt	tttccaagct	tactaccgat	aaaaggtaat	acaatgatca	180
	tctgtcaca	cagatgcata	gagaagttgt	ccacagggct	aagtaaagca	ccacttccca	240
	ggaaacacag	cttattagat	cttcagcaa	caactcatgc	tgaagggtgt	ctcttctgag	300
	cagcccttga	ggtgaggctt	ttgctttaga	gatgctgggg	gttgggtctg	aggagctgac	360
	ccagggcaga	gatgggtcct	tgctgattga	cctgacttgg	actcacagag	gtggaaagac	420
	ctgtggagac	catcatcgag	gcc				443

<210> 368
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 368	ttttttttcg	taaacaaaat	ttaatacaac	catatagtca	agtaataatg	gttaaaagac	60
	attttattag	atacaacttt	taaaaaatta	aactatgcaa	gaagtatatt	taaacaaaac	120
	atgtaagtaa	gtattcacgt	gctacaactt	aactaagaac	aattaaatac	aaagcattct	180
	ttccactatg	aagactctgg	agcctcta	tgaaagcaaa	tgaccttagg	tctatactag	240
	ttgtaaagca	gattataact	ttgttcaact	ctaaatttgt	attgtcttag	agctccaaca	300
	actctcaata	aaaattttaa	ttaagaaacc	ttgggggagg	ggtgataggg	aaggggagag	360
	taagtgtttt	tttaagaaag	ttaaatgaaa	aagcctgaag	agggaaaaaa	ttgtacataa	420
	gtatggaa						428

<210> 369
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 369	ttttataaat	atgtaactgt	atttttcttc	ctgtccagaa	actgttattg	aataaaattc	60
	aggtatatct	ctccaaaacc	cacacagttc	agagattttc	aaacaccagg	tttccatttg	120
	tattaaaatg	ggcaagataa	tgaaggcaca	ggctcacttt	gtatcaataa	aggacatcaa	180
	acacagtcac	gaggcactaa	tgacataagc	aatcacaaaa	agcaagtgtt	caaagtcttc	240
	agtaactctt	ctccctttta	catttggcaa	aactcagtc	agatatttta	atacctcaga	300
	aagaa						305

<210> 370
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 370	tttttttttag	tgctaaaata	taacatttaa	tgtcacattg	ttgggcgact	cccatttact	60
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ttttccatat	atacagtga	gacttacaat	agctcacaat	gcagttaaga	attgcatttt	120
aataatctca	aactaccatc	taatggagga	aagaataagt	ttgtcagaaa	accagtacag	180
ccattttgct	attaaaattt	tcctttttta	taattttatt	aaataaggta	tttgaagcag	240
tttagaaaaa	acaagatttg	tatttttatt	ccttgtaaaa	atctttacac	atgcagacaa	300
accagtgtta	agaaagtatt	caccatcatt	taaacaaata	accacttaaa	tagaacagtg	360
tctgcaattt	tatctgtata	aaaataagat	acattttttac	agaattcacg	ct	412

<210> 371
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 371	tttttttttt	tttttttagt	tacatagcat	ctaagttttc	tgatcactac	caggtaattt	60
tcaaccaata	agaaaaagga	accaacactc	agctctgtag	aaatctacct	tcttttagaa		120
acctcaggcc	tctgcacccc	tttagacaac	tcattttaca	ccacaacctt	ccatggcttc		180
tcacatgcc	gccagggcag	ggtaaaaacg	gcaattttct	acaccgaaag	ggccttttta		240
tgtaacaaac	agacctcccc	aaaccacaac	ttttttg				277

<210> 372
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 372	ttgtggcaga	aacattttta	ttgtaaacag	caaggctctc	tgccaggcag	cccagatgaa	60
caggggtggc	actgtgctgg	ggtagggtgc	tttctttgtg	ggaacgaaag	cagacggccc		120
acctcgtct	agccctgggc	cctgtcccc	aaggccagct	cgctgagcct	gcgctcctcc		180
tggaagcgga	tgagggcatc	tctctggttg	accaaatacc	ccagcttcct	caggacctgg		240
tcctcagcct	gccgatcagc	agctgtcttt	aggttttctt	cccggttcat	gtagcctcgt		300
agctcctgg	ccagctgcc	ctgtttctcc	tccagattca	attcctgcac	cgtgatcatg		360
agctcggcct	cctcagccac	cagggtggtt	ttcttgtaaa	cgagctgtag	cagctgtcct		420
acctatagtt	tcttttgctg	ttctggggaa					450

<210> 373
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 373	tttttgaatt	ttttaaatta	tttttatttt	ttgatgaaaa	caagaaatac	ggtagtgaca	60
ctttattttt	ccttcaagca	catgggagaa	gacaaaagta	ctaaatgatc	attgagtttg		120
acagagaaat	tctactggta	cttactactgc	ttaggaacat	aaatgtcaag	tacattacta		180
gggcaagaaa	tatcaagtaa	gacaacagag	tcgtattttt	ctttttgagg	ttattttcac		240
aagacatagc	tataatttgt	aaaatattca	gactattgaa	agatcacatt	caaattatat		300
ttctaagaat	agagccatat	atgaacagag	agcaaaaaca	gctaatacat	taatgaatat		360
tactgaatt	cttcatactg	cacaggacac	aaatttggtg	tttttgcaca	tgttgtcaat		420
tataagcaaa	aagcaggcct	gtaaacaatca	attttgtcat	aggct			465

<210> 374
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 374	ttttacctcc	tttctgttgt	tttatacttt	atttgagaag	agaccctaca	taaactatgt	60
caggaggata	caggctctaca	cacgatttca	tcaatcaaaa	aatggagttg	ttaacataac		120
attgaagata	tgatactatg	agaaagacag	acatatgacc	aaggagtatt	tacaactctc		180

acttatgata tatttatatt gaagatg

207

<210> 375
<211> 418
<212> DNA
<213> Homo sapiens

<400> 375
aaacaaagag ggatttattt tatttacaag aattctggag aaggatggcg gctgggtattg 60
gcttggtgaa ataatgatag ggtcaatgac tctgtgattc tcttggcctt tttgtcatgg 120
tagcaaagtg gctgctgtgg ctccaggcat cacaccctca atcaaggtag gaagaagagg 180
cccagggagg tggttagccat gcctgtgtct tttattggaa aagctttccc agaagcccag 240
gtagacttcc tcttcaattt cattggccac acctgatcac atagccatcc taagctgcaa 300
aggagactgg aacagtgaaa atctggattt acagcctcca cagttggagt ggctggagat 360
acagagttgg gacgaccctt gaaaagtga ccaaggctcg ctgcacggct gccctgga 418

<210> 376
<211> 379
<212> DNA
<213> Homo sapiens

<400> 376
gggaacgtga attttaatga gggggcagac cgaggaggtg gtggctgccc ggagatcagg 60
gccaggctgt gctagatggc gcctggaagg ggggtcacc aagtctccct gctgtcattt 120
caggaggccg acccaagtct ccctgctgtc atttcaggag gccgaatttt ttcccaatcc 180
cagagaaggt gtcagaggcc tggtagcag tctgtcgcag ggtttccctgg gtggctcttg 240
ccagctggtc catggctttc tgccccgcct ctgtggcctg gtccaccact tgctgagctg 300
ccgctccggc cgctgacacg gcttccctggg cgggtccctc cacctgttgc ttcaggctct 360
gcaagcactt gcttgccat 379

<210> 377
<211> 410
<212> DNA
<213> Homo sapiens

<400> 377
tagagagttg agtaaaaggt ttattattag tgcagtcaac accatggaac agcacataca 60
acacaaccag caacctgcag agacactagt gcaaagggta gggaagcctt tactgagct 120
tcctggctcc atctgagggt aaggacagga cagtatgagc cttggttaag gcaggtaggg 180
gaaaggggag tggaagaaat gtagtaacca gagtaagat agcagcgttt tcaaattcct 240
gagcacaatg tcccagagct ggaaccctac tcccctcaag ctttccacc caatcccagt 300
ggagccatga tccaactacc cagacctgca gcaagctagc ctggaataaa attctgagag 360
gaagccatta catggtgggg aggagccttt ctatctccaa ccacactccc 410

<210> 378
<211> 442
<212> DNA
<213> Homo sapiens

<400> 378
tcaacctact caccaaaaaa tttgcacttt gactcatatt ggcctatttt aacatttcaa 60
aatcatttaa agaaaaatat gactttttct gtcataattc ccagtcttag tctctatctt 120
tgatcaaaaa gaggataggg caatacatta aattgacaag gcatataaca gccactgaat 180
ctttctgttc atgagaagaa atcccagata caccataaat gagatgcaaa ccagcagtaa 240
gaatgatggc aaggtttctg tatttccatc agaaattgtg gaaaagggcc taaaaccagg 300
aaagacaagg ccattaaaaa aatgtatttg aggccgggtg cgggtggctga cacctgtaat 360
ccccactact agggaggctg aggcaggaga atcacccgaa ctgggaatgc agagattcca 420
gtaagctgag atcgcgccac tg 442

<210> 379
<211> 288
<212> DNA
<213> Homo sapiens

<400> 379
tttcatgctt tttatttttc ggttttattta atcttcttta acacagccat tgttggttca 60
acaatccaat atttgagggtt acattattgc aaaaataagg acatagctga ataggttatg 120
ccatcaatat gtttggttaat cctatccctt ttattaaaga caaagcacag tttgttaata 180
ttgtcttgga ttaactctat ttgtaagggtt acttatagtg gttcatacta aaggcagggg 240
atttgcttcc tgggccaatt gtctttaaac tataatttaa gaaatcat 288

<210> 380
<211> 597
<212> DNA
<213> Homo sapiens

<400> 380
tttttttttt ctttttcttt tttcttagaa tgttagtgat gactgacagt tctggtgcac 60
agttacaatg tacaagtga atgaatatga tttgcattgt taaggcatcc aatctgctgg 120
tttatattta tgtgaaagac agaggaaata tacaagcaga ctttaagaaag aaagtatggt 180
cattgatttc tatgaagttt ctccctagaa tttaatgcac aaaatgcgtc actccaaagg 240
gagagattcc atgcatatta atagagtaaa acagcattag ggttggtttg taagcttcca 300
aagcaaagga tacatttttt tttaaatcta ctgaactaaa tactacaaga ataatatgct 360
actatttttt tttttgcat atattggaaa aaacttctta acttacaat aatacaaaaa 420
tagacaatga cttttgggtg gaaattaaaa aaactgaagc atggtttata acaatacaaa 480
aataactatg aatggaatgg tttaaaatca cattggaaca gctaatacaa gtgtaggtga 540
cccaacaaat acgcactttt cacgtggcaa cttgccctta aatagaagtg gggggag 597

<210> 381
<211> 419
<212> DNA
<213> Homo sapiens

<400> 381
tttttcatgt taaaatgtga actttaattg taaaaatcat tttctgtaaa tatagttata 60
tcaacctctc tgcacacaac ttggttcaga tatatacaga tatgatattc atagatgtta 120
tttgtagcac agaacaaaat caattcaaga aacatttact tttagcttca ggattaaccc 180
cagctttctt taggccttaa aattaccacc actggaaaca gagagagagc acggcatacc 240
tgggcacacc agtattcagg gcaaaatcta tgcagtgtct tactaatttc atactatgag 300
gtaaagaccc gaaacaaaa tagattcagt ctctcgtatt gctataactc ttaggctggg 360
gtattaatca aaataggatt ttacattta aggcgacagg gaggctatgc tgattctaa 419

<210> 382
<211> 364
<212> DNA
<213> Homo sapiens

<400> 382
tttttttttt agtttgaaat acatttttta tttttgaaaa atcaatatgt aatctacaaa 60
atattttggtt acatgattaa ggctcaacct gtcttatatt tgcattgaca gaatacaaaa 120
ctgtatttta agtaagacat tataatagtc attgttaagg aagtccttct aactgacttt 180
ataagaaaag gggctgtatc acaagcatag ctctggaatg aagggaacta acatcctaga 240
actgtcta atatacatca ggttgtaaaa ttccagcctt tatttatgtg ctggaaagta 300
tcttttttac atatcttttt ttagtgata aactcttggt attcccacag aaaaaggaaa 360
tggt 364

<210> 383

<211> 358
<212> DNA
<213> Homo sapiens

<400> 383
gttaaaaaat aaaagccaaa ataacacttt taagatccca ggttttagac aaggcagctg 60
tagtctctcc atcatcctca ctgtccattt gcttcttcct gggacagaca ctgtggccca 120
gtgaagctga ggggaccctg ggattcaaag ctggtggaat ggaccctccc tccccccaca 180
agctgtaata acctgctgga atcccacaca acctgagggc ttcacttgtc aacagctccc 240
ttccctcaga ggctattttg aggcaggcat tcggtgtttt atgactgagc taccaggag 300
aatggtttga ggccacactc aactgttcca aggagcagca ctggaccaa ggtgctt 358

<210> 384
<211> 431
<212> DNA
<213> Homo sapiens

<400> 384
tttttcagggt ttggcacata aattttattt aactttcaca ttgacacaat caggaaacca 60
ttctgagaaa aggtagaggc cgccttgaag cgaacgctgg ctccctctc caccctgggc 120
tcggcggcac catgcaggct caggctggca ctcatccag gaaactgtcc cagttctcag 180
cggctcctggc tgtggacggg atctgaaatg gtcgctgcgg cttgccctgc accagggcct 240
acctgtttgc caggaagccg cactgctgga ggctacctgg gcgctgggtt ttattgctgg 300
tgaacttggg taccacactt ccagtcacat ggtccaggat ggtggtgtga tcagaaatgg 360
ctctggcagt gccattttgc tgagatgaaa ggaatcgaaa tgtataaact aactgaatt 420
ctgtgatgct g 431

<210> 385
<211> 357
<212> DNA
<213> Homo sapiens

<400> 385
tttttttttga gaggttcaaac catttactaa gcagattctt agccttccca ctcccgccct 60
ctctcaagct ccggtgcccc caagccttgc ctggggagat gctggagtga gaccgggagc 120
tcaggccaag tcaactggtcc ctgggctcgg gcctgccgag tggagtaaag accagctgta 180
cacatcttcc ggtggggggc ctgggctctg catccgcccc tccgaagtca gcaggagcct 240
ctgggaagta aggcagcagc acagaccccc agcgtcttgg aggggaagcg aaatcctcag 300
tctgacaccc gctctgccta tggaaacagc gccggcacag aaaaggaaac ttcattc 357

<210> 386
<211> 370
<212> DNA
<213> Homo sapiens

<400> 386
ttgtgttttt ttttggtgta tttttaataa gatatttaac acgtgttcag gtagaagtag 60
gtacaatgac agaaaataag gtagaggat gttcttgaca ccacagatac gtaatgatgg 120
acaataaatg acatgatgtg gagagttcac ccacacatgc agacttctta tgttcacata 180
aacatttatc tgcattgcat acccagtaga gacaaactgc acttatactg tgaagtcaac 240
gaggagataa agtaaaaatc aaatacttat ggagagagtc agtctctcca tttagtggga 300
aagccttcag aacacgcaca cagcatctcc cctcccttct gaataccatc catagcctgc 360
agcagtagat 370

<210> 387
<211> 283
<212> DNA
<213> Homo sapiens

<400> 387
ctgggacaat taagctttat ttttcatata tatatatayy yycatatata tatatacata 60

catatataaa gggaacaatt tkcaaattta cacaactgac aaaaccatat atacacacat 120
 atgtatgcat acacacagac agacacacac acccgaagtc tctagccagg cgccgtttym 180
 catcccyaaag taccattctc tcatttgggc ccytctaggg ktggggcccy cgtgccgaat 240
 tcctkmagcc cgggggatcc mctagttyta gagcgggccc acc 283

<210> 388
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 388
 gactattact agtaagacat ttattaatga tattattaca attgtttcta aaatccatta 60
 ttatttcagc agcgaagaga taaataccag agtaacctca gtcagatggg aacagttagg 120
 tctaaagaaa attatatgaa atactgactg taatactgct atagagtata cagtatgtta 180
 aaacatgatg gagaggctgc acacattggg aacgttttat gtca 224

<210> 389
 <211> 305
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 389
 gctcagtga gatttattgt tatagaaggc aactaataca atagatttgt gggctcgaaa 60
 ttttaaaaag ttctaaaaag gcagttaaag cttgacaata aacttgagta aggtttacac 120
 aatatcaaag tatattagtt ctttgaaatg aaaagggtatt tttttnctnc ctttaacatt 180
 gagatgtctg agatgtcagg attttgtagc attccttagaa acaacatcca ctgtgtggga 240
 tacttttttc ctttctggag ttttaaacca gtctgactct ttggttgtgc ctatacaatg 300
 aaaag 305

<210> 390
 <211> 287
 <212> DNA
 <213> Homo sapiens

<400> 390
 tttttttttt ggtcattaac acagtttatt attggcacac ttatcagtaa agcatacata 60
 aaatacagct gttttttaac acacggagcc actgtgcctt tacatgtgtg gaggaacata 120
 ttaatatgca aatggaaaaa ttaattctct tataaagttt cacataaata cactggagtt 180
 gcccaaaaac gaaaagtccc ataaaagaac caggtgagag ctttacaata tatcatataa 240
 gaaatatact ataaaaagaa ggatgggtcac tcaggtacaa ttagaaa 287

<210> 391
 <211> 375
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 391
 cacagttana aannatttta ttaatatctc acaatctaac ttgaaatatt tataaacact 60
 gcataaatga atacaagggc actgtatgaa ttttagaaag gggactcttt tatacaaata 120
 aatttaggtt taattctgcc agataaaaatt aatttttagat atgtccaaca cacaatcaaa 180
 ngatattctga aaagttgtat ataggntcaa atcatagttt aanggccatt cacaaaataa 240
 ctgtaaattc cccaatttta tcttttataaa tatggaattt ttaatatatc attttcttan 300
 gggtaaagggt acaccttta ttttnggggt ggtaaattngg ggntaatctt tccaaaatgc 360

cctttaaaaa attng

375

<210> 392
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 392
tttttagaaaa tttattatga attccgagaa gtctgctcat catatacctc cccagcccc 60
aaataaaaaca aacaacatgt ttgtacataa agcctgggtt tacttggnac aaaatttgag 120
tctttgaaaa aaatagttaa tggnaaatct caataaaaaat tcattttgaa agtaaccngt 180
actgttcagg aaataagggg ngtcagtta cttgaggang tcaaacagtt ttattacagg 240
aactatgtgt atatatatttg gggnttaaaa cttgccnata ggctgtttgg aaagggntag 300
gtccataatt tattccnaat aggggtatttt nttaatcnaa tgtttttggg gttatcnacc 360
ataacccent gg 372

<210> 393
<211> 267
<212> DNA
<213> Homo sapiens

<400> 393
taagatttga ttttctttta tttgtggcac taaaagacag atagctgtga tgaagagcaa 60
ttggctggta gctcgtgctt caccaagagt ttagcaacgt taatcagtga atgcagaaca 120
gcttccattc tacctgaggg ctagatctga gatcgtgtg aaacattaaa gtgacctcac 180
catacttgtt ttctcactca gatacacatt ttatttcatc aacacatctt gatttctatt 240
acttttttca atataacaaa atgtttt 267

<210> 394
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 394
aagccagaac ttgtttattg aaaaagcact aaaacaaaat attttggtta gatcgagcaa 60
gaagacacaa atagagaatg gaaaaatgaa aattttataa acgcagttga aatttgaaaa 120
tgtgaggata ttatgaacaa ttcatttgaa aactgacaaa atacacaaat tactacgagt 180
attttactca aactaattga agatagacat gtaatccac agctcctaaa tagtttcagt 240
aattaaaaat ttcccccaaa gaaaagcctt ttatagtaag ttccactaac ctgttccata 300
tggtaccaat tcttaattca acagttaaca gttcattcaa aataatgggc aacaatgtat 360
ttggattttg tacacatata tttgtgtgtg tgtgtgtgtg tgtgtgtgtg tatagtcgtc 420
atacctaggg gtgcntatat ataagtggaa tggacagcna tgatacntgg gataggaaag 480
agaaattagg attatttttg gtaccataag g 511

<210> 395
<211> 503
<212> DNA
<213> Homo sapiens

<400> 395
aaagaattac cataagtttt atttttgctt agttttatta aaaaaataaa tatgtcataa 60
agctttcttt ttccttaggg agaaaaaag gaacaagtct cataaaccca aataagcaat 120
ggtaagggtg cttaacttga aaaagattag gagtcaactgg tttacaagtt ataattgaat 180

gaaagaactg taacagccac agttggccat ttcattgcaa tggagcaaac aacaggatta 240
 actagggcaa aataaataag tgtgtggaag ccctgataag tgcttaataa acagactgat 300
 tcaactgagac atcagtacag atacatcttg cttaaacaac acagaagttc ctgaaaagtt 360
 ttgtgtaaat gatataacca caaacattac caggagagct tgggtaactg aaagaattcc 420
 atggcgaatt cctttggtga acaactactt tcaacttttg taaatccagg tatttgcttt 480
 ttataaggag tttacctagt tgc 503

<210> 396
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 396
 cttataaaat ggaaaacttt aattgtttta agaaaaggca caagtaaaca tttcaggtta 60
 tcatacaatg ttacaataaa aaattccaat agcaaaatga aacacattat aactttgctt 120
 cttggttagta tactgaatgt attattctat catctcctct ttggagtaaa aagaagggat 180
 aggcagatca atggatgtga tgtaaaaact tggatcataa atagcatcca ctataccttt 240
 aaccagaaat taaacttcag tagaattaaa attaatTTTT aaaacttagt tttgttaata 300
 atagagcagc agtaactttc aagctaaaac tcattgtttt agtaagtaaa taactgattt 360
 catgaaatgt tcgctgtcaa tgtctggtat gttaatatac attaatcaag ccgggtcctg 420
 aaacagtttt accaaaaat 438

<210> 397
 <211> 367
 <212> DNA
 <213> Homo sapiens

<400> 397
 gattttaaata ggtttatttc ttcattttaca agaggaatat atttggcttc tctcttaaga 60
 ctctgagatt cacaatcagc agctctaaaa aataaaggag cagtttggct tccggaagaa 120
 gaggaggcaa cactcggacc tggttcttgt acaacaagaa aacatcgctg gggccccgct 180
 gaggtctggag tgggggtgga ggctggtctt tggaggatgc cccccacc ccattctctt 240
 gtcaggccct cgggggtacc cagaagcttg gtgggtgagt attccacctg cttacacacc 300
 actgaaagcc acagccagcc agtaactaag gggcaagaag agcattgtcc aagctggccc 360
 tcatgcc 367

<210> 398
 <211> 268
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 398
 attggaatat tttattttaca ttttatattt aaagagaatc aatacaaatt gggacatatt 60
 tacagcattt caaatcagtg tacaagaatg caatggtttc atccattcag caaacaaaaa 120
 tacatgtctg ttttatTTTT gcctaaattc tgctataatt tgaacaaaat tctaaaacaa 180
 aagccacaca gagtacaaat aaagtgcatt tttaaatagc tctattttaac tttggnggat 240
 gaaacttcaa actntatatt aaggggcc 268

<210> 399
 <211> 450
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 399
aataccattt tgagagtaat tttaaagact aatgcgaaag ttcgggagca cattgtatat 60
ttgaaataag tgtagtgtgt gcaaagacca ttttctacct gtggataaaa atcaattccc 120
ccaaaggcct aaaagcatga acaatgttta ttttcgagta aataattaaa ctacatattt 180
aacatggaaa aaattaaatg aatgtcaaaa ccaaaaattaa gaactataag caaagcatgc 240
agtctctgtt aacaaaactt agttgtgaaa ctacattttt cattttgtaa atgccattat 300
ttcatttcat aaaatggtaa aaatcctcag tatcattctt tacacttgat ggggcaaaca 360
cttcctttcc ctatttttcc cggnatttcc tgcaaaaata atctaccatc tcaagttccn 420
taatggttca tactttcttc tcaacatatt 450

<210> 400
<211> 320
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> n=a,t,g or c

<400> 400
ccttttttctt aaggaatcca ttcattgttg aagcccagat tccctaacat atgcactagt 60
ggttggctct gggaagtaac agtcaccaga gtctggaagt tcttcgcttg aactttgagt 120
agccactggg actattggaa gccagatggc canggtattg gnaaatgggc aaggggaaat 180
cccaagctgg gctcaagagc cgtgggttag ggaagaagaa ggtcaagtgg actggtaaaa 240
attctacttc aactgccctt attcatagat acaactttcc taacagtctc actctccacc 300
agtcccatat ccacaacca 320

<210> 401
<211> 232
<212> DNA
<213> Homo sapiens

<400> 401
gccagacaat cttttttattg ttcactgaaa aatgcaggtc tgcaaagagt caattgcatt 60
gtatattgaa tgcaaggctc gatattgcaa gtatatatga catggtataa catataaaat 120
attacatatt ttacacagtg acagtaccgc cctcttctaa acactaaaat ttaatagaat 180
gaagtaaaaa gcctattaaa taagaaacaa acactgcaat cataaacaaa at 232

<210> 402
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 402
cctctgccac aaaagacctt taatggcctc ctattttattg ttcttttgtt catttggttag 60
agttgaatga actataataa cttgtctgac ataataagaa tgccacaggt ataacagata 120
aacctggcag gtggtccagg aatgagagtg tcacaaaata atcactcaac acaagggccca 180
cagacctgga gattcttccc agccatccct cactcctgcc ccaggacaca acccatgcag 240
gccccattc cataggaaga ggcaggctcc acagtgtctg tggctagacc ttaacactga 300
gcagagatgc ccgggaagat ggcacttctt atgctcgttc ccaagtgtc tgctcatctg 360
ccatgcaggt caggaccata ccccgagttt gtgaggcacc cacctctcat actcaccacc 420
tcatatgacc acctatcata cccanctctc ctatgaccct tgcaattgtc ccagtgaagt 480
gggaagagct ggactagccc attttgcaca cagggaacta aggacac 527

<210> 403
 <211> 610
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 403
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 attcactgaa gtatttcccta ggtagccttt tacttactac tttaatcaaa gcttatcttt 120
 gtgcccaatg tgtaaaaagt gaaaatgtct cttcgaaatt ctatattaca atatagacag 180
 agaagttggg ccttgagggc ttgagtttca cttaaatact atacacatgt ggtatcacac 240
 aaggtggagg gggagggaac aaacagaaac ataacaatta tttttattct gtctttacaa 300
 aagaaagcct cttctctatg aaaaagtctt tttggcatct gctcccgga acctgccccg 360
 agaacacgtt cccatttgct ttgcaagcat ctctttttaa aagcacanca ctgtccccg 420
 gagtcacgta ggttgatta anctgtctta gttgaccaac gaagaancac tggatgagtt 480
 ttccagggat gantgggtgt ctgggggtgga acatatagtc ctgtctacaa caaatgtaac 540
 tcctgatatg ggacnatgaa cncagtgtgt gaccagaggag tgnttgatct gtnaacantc 600
 gcatgnaatt 610

<210> 404
 <211> 195
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 404
 atatcaagtg tnttttattt tcacaaatat tttaaaatgc agctaccttt gagccacaaa 60
 aggaaaaagc agtattcctt ttatgtattt gatacaata ttaaacataa ctcagtttta 120
 gttcattagc tcagctcagt gaaaatagct caggaaaaaa aagtcatagg taatgctatt 180
 ggtatatgca ggaaa 195

<210> 405
 <211> 399
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 405
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 tccgctgtac atttaagact gcacacttct gaatggagag atcagtcgtt ggtgaattgc 120
 ttttctatga cactgggcag ctntntagct caagctctga cctganttta tacaaactct 180
 caagggacat gaactcaatn tgacaagtga cagcggcggt ggccagtaca ggagtgcgat 240
 cccggtntcc ctccccctt ntgggaaggg cataaaacaa aacatgatcc ctnttccagt 300
 tccaattaaa caaaacagct ntaaccctnt cccntcccn tcccnttcga gggnttttgc 360
 gaggaattga gccagtgcc aacctggggg tcccccccg 399

<210> 406
 <211> 330
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

0954456.094304

<223> n=a,t,g or c

<400> 406
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atgcagattg gcaatcatgt acatctctga ttaaaacaac actcacataa ccaacacaat 120
ttgctaggcc aaagtcttca cgggcaatcc ctgggggtggg agtctgggat ggggtggata 180
atgaaggata cctgggggttg cagaagtggg gtgggaatcc ctggggcatc agtccacagg 240
aggttggggc cagcgatggc ttcaggggtg atatttccaa tatatatcag ccctgggcac 300
ttttcgccct gctgctcaca gcatggctct 330

<210> 407
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 407
cttcactttt atttccattt taacaactag tacattatcc ttggccttag gaaaagcctc 60
catcagttct atgtgttccc aaaatataag ctcatgtgat aacgagggtca ggcaattcag 120
ttttttaatt cataaagtgc attcttcaga cagcttcaaa taatgtctaa ttaagtagcc 180
actagaagat cagaaattat tagaatggac tacagctatg aaaactaata ccaatctctt 240
aaattcaata aacaaaaatt aaataccntt agggatttag gttacatagg ttttta 296

<210> 408
<211> 267
<212> DNA
<213> Homo sapiens

<400> 408
ctattttctt tttttttcct ctttttttgt ttttgttttt ttgcaaaact aattctttca 60
ctttcctgtc ataaaaatcac ctctgaaaac acaacttctt tacaaaaaag tcacgaatga 120
cacgaactct caggaaaaca catttctatg gtctctggaa acacctgtaa ctggcaccca 180
gggtgggtcact cacctggggg aggggggtcag ggggaaatca cctccaagga cagaggagaa 240
ataccagccc ttatttgggc gaaaagc 267

<210> 409
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 409
tttttttnnt tgtggatttt ccttttaatg caaaatggtg caatacaaaa caatgtggag 60
aaagcctggt cctcaggcac tgaagggagg agtgaggag agaggacaga gctggacgtc 120
tcctcctatt tctccctccc caagtcactc tgaggggaag aacactgctg cctgctccct 180
gggcctgccg catacaaggt tagagccctg ggtctggggc atccttagcc tgaaatttgt 240
tgacatgggg caggagagca ggaggggaaca ttgagggttt tgactcttcg ggctctaaaa 300
g 301

<210> 410
<211> 289
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 410
aaggngttgn gattgcttta aagaaagctt tatttactac atacatccta agaattgtact 60
gtaaatggag caagatctaa ataaaagctt ttcaaataa aagcagctaa agttaactaa 120
accactagca atgtttgaaa acagaactct aaaacttttt ttttacattt atatatgttg 180
ttcttaacac taaaaaaaaa aaaagttcac atttcaagtt ataaacttac cctcaggtag 240
gtgtaccatg gaaatggggt ttggaaacca taggggncca ggtagggccc 289

<210> 411
<211> 329
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 411
ggtnnttaaa taaattttat tgtctatatt aaggatataca acacaatgtt aaatgaaaca 60
tatatatata tatagtaaaa ctatagtggg acaatgaaca taccatcat ctcacatagt 120
tactgattat tccccattg gcaagagcag gtataatcta ctcatttagc aaaaagtcct 180
gaacacaata tacaatatgt attaactata gtcctcatgt tgtacatttg atctttgatc 240
ttttcacttg ttcattcctgc atatttacta ctttgcaccc tttgacctac atctcatttc 300
ctccacctta tcctgacctt agtaattac 329

<210> 412
<211> 308
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 412
ctgtcacttc tactgtcaag atgggtgaga gttgacagtt tgtctagaag aaggctgata 60
tatgtcaaca tggtcagcaa aggatttaaa tatgggtcct tgaataataa atagctaata 120
attgagttta ttaaaatgaa tttttgtata atttaggcag ttgaaggctc agaacagcct 180
gcgttccttt ctatggcagc ttgctatgaa attcatgttt caaacaaaac aatacttttt 240
catgcatagg ataaattata aatgtactga ccnggcccat tctatatggt taattctnac 300
gganttta 308

<210> 413
<211> 251
<212> DNA
<213> Homo sapiens

<400> 413
gtagagatgg ggttttgcca tggtgcctag gctgatctca aatccctggg ctcaagcaat 60
ccaccacact cagccttcca aagtgtctggg attacagatg tgagccacca cctacagcct 120
ggccaagaac cctttttctct cccacattcc cctgggagca gaggataggc ctgatgattg 180
ttttaaacag tagaaagggg tcagctaaga actacagtcc actctcagcc ctgtcatgta 240
ctataggaca a 251

<210> 414
<211> 432
<212> DNA
<213> Homo sapiens

<400> 414
tgcagttaag ggacgtgttt tatttcatag ctttctgcaa gcaaaattgc tctgatacaa 60
aatgagttca atgatacagg tgctactgtc cactcaagca aaagaaaacc tcacatgtat 120

atgaacgcac	tttatactta	tattcttaca	gtataatagg	tctaatatcc	aggatgcctc	180
tggctcattg	aaagcaatgg	cagagaaatg	ctgcaaggta	cttgaatatc	atagtactgg	240
caagtgcctg	aagtaacttc	ctgtgagttc	tctgtcagat	actgcaaaga	ctgcgtgtgg	300
gtgtgtttgt	ctttttgtct	tccatctttt	ggtttacatt	taaatcatct	caaaaaatat	360
cccctggcat	gtatcattca	gcttctcaga	gtttccataa	aaacaggaaa	atgtcatgag	420
gtatccctaa	cg					432

<210> 415
 <211> 292
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400>	415	caacgccttt	attaagaaat	atcaaaagtt	gattacaggt	ccatatgcag	ttttacaaag	60
		ttcaagtga	gaagactgta	gggatgccat	caatgtgcgt	gtctgaagac	tatggaagct	120
		tgtcaaagg	gtaaccctac	aactcctgtc	actttaacan	tgggccacag	caatgctttt	180
		ccccatttc	tactaggcta	ggccattgca	caatacctta	agctacttaa	aagagtttta	240
		atacggtata	aatacgta	tatttgtcct	tctagtttgt	taccatcctt	cc	292

<210> 416
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400>	416	cagattttct	tgctttaatt	cttctctata	ttaccacagt	aaaatattta	acaaagtcca	60
		agagattact	gatatgcaat	aatgacctat	gactttacat	taatggagt	atgtatcaat	120
		aataaactga	tcagttaagt	aactggaaaa	tgtttgcatg	taaagaatga	ttcactatcc	180
		tttttatctt	gtattgaaat	cgtcaaaaaca	tttaaaaaca	caaagttgaa	gtaatttta	240
		ataataataa	ctgtgaaa					258

<210> 417
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400>	417	aacaaaaaac	taaataaatt	tattccataa	agatttttaa	cttctacaat	tcattaataa	60
		gacataaatt	caaaagtcaa	aatggtaaaa	atattcacaa	catatgacaa	tcaaagtgg	120
		aatttccttt	tataaagagt	ttataggaat	aaatgagaaa	gaagtaaacc	caaataaaag	180
		tagacaaagg	tcatgagcag	ttcatttaaa	aagaaataca	aatatctata	aacatacgaa	240
		aagataatca	ccttaatatc	attaataatt	aatattttct	cccacatcag	caaaaatctg	300
		catgtttgtt	aaagctgagt	gttttaagg	tgtgatgaaa	tggacaccat	ttacacagga	360
		ctgcctttca	ggaaggttct	ctgccactgg	aaaa			394

<210> 418
 <211> 444
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400>	418	ttaaaaatac	tcctttttgt	aagtctttat	tttttagttg	ctcctcccat	agtaatgcac	60
		tgaaaggcat	aacagtttat	attgtacaaa	gcatttgaag	aaagtacctc	aacttgctga	120

ttattttcaaa	atgagattac	aaacaaaaag	aaaacaaatc	tggttcctca	ataaagggca	180
aaataactga	atacagtctg	ttattttactt	ctctctttta	acataagggtt	gggaacactt	240
cattttacaa	ataggattaa	catgaacata	acatcgcaca	agcttgcaga	caaccagcat	300
aaaatatgga	gtacagtttt	taatcagaag	aatcatgctt	ccatgaaaga	aattataatc	360
gtttatacaa	ttgaatcgat	ttcagtatta	caaaaactaa	gttgcaccta	ttcgtattta	420
gttcattaag	aaggaaaacn	aaac				444

<210> 419
<211> 381
<212> DNA
<213> Homo sapiens

<400> 419	aagtattggt	aacaatcctt	tggaagtcac	tactgggtctt	tgtgtgctgc	tttttaataa	60
	ttgagttatt	ttgagcttgc	caagtaggat	ctattgcctg	gactaaaatt	tatttcctaa	120
	tcttctgatg	accaagaaag	gaaaaattaa	gtttgcagat	gtgagatgaa	atatagccag	180
	tgaatatgca	tactgattct	gaatgaaagg	aattaacttt	tcagtcaaga	aacagtctgc	240
	atgcagtaaa	ttgaattttt	cctgcaactg	gaatgatttg	tttaattctt	ctttgaacac	300
	tgccctttct	ccagtaagaa	cactaatgat	ttgctaatat	tttttaaaga	aatcggtttt	360
	ttaattagtt	aagctcagac	t				381

<210> 420
<211> 292
<212> DNA
<213> Homo sapiens

<400> 420	ttttgttggt	tccaaagtca	atattattgaa	tattaagtca	taaagccagt	gatataattt	60
	taatgaaaaa	tatcctgtat	cactcaagac	ttaaaagaac	aaaaataccc	cttagaaaca	120
	ctgctttgaa	aaataatcac	attaacttta	cacacaacag	agtcctttct	taagctttat	180
	ttaagaaatc	gagtactata	tagttcaata	tatataagac	acatccagta	ttgtgttcct	240
	gatagcaagt	gcatagattt	tgttaagata	tcattttcac	tcaatagaaa	cg	292

<210> 421
<211> 427
<212> DNA
<213> Homo sapiens

<400> 421	tttaacagga	agaaatatgc	cttttattag	gagttgcata	tgtacagaga	aagctgtttc	60
	tcacagctca	ggggaggctg	tgagaaagag	ccactgtcat	ccaaggtcac	tgcgcgtaca	120
	ctggtaacac	cacttagaca	ccgccgcacg	tgattaagaa	acagaaccat	gacacagaaa	180
	tgcagaagag	acacgggtac	gtgtgtggac	acatcatttc	taaaaacaag	tcaacacaaa	240
	aatacaatgt	gccaataaaa	aaaaaataga	catatccata	catgtctttt	tttctgtttt	300
	taaagtaaat	acatgggtatg	ctgagctttc	acctccagct	ttttccacat	cgggattcac	360
	aggcacttta	gcaccccagc	catgggtttac	aatacaggat	gttcagaaca	atgaaggaag	420
	atggggag						427

<210> 422
<211> 451
<212> DNA
<213> Homo sapiens

<400> 422	tttccacaaa	aatgtaatat	acattttaata	gcacattata	aagttcctga	ccaaagacgt	60
	tgatttccta	attataatag	cacagaaatc	ctttagaatt	tagtaaacgt	aattaagact	120
	attcagaagt	aatgaaaaac	caatatgata	aaaacaaaaa	tcctccagta	aagaaggaac	180
	ctgtccattt	gagagaaata	caattgagaa	cttgcaaatg	agacaaggga	agatggcaat	240

ttggaactgc	aatagaaata	actatagcag	aaacaaccat	ttaagaagtt	ttagcagcaa	300
taagtattta	ttattctgaa	tgaaatgtac	agttgacttt	tatataaaaa	tcatcaaaag	360
tgctatattg	gattatttta	ctattaattt	aacccccaac	agcatctatt	agctataact	420
ttaatggggt	tttctttact	tctgatacat	c			451

<210> 423
 <211> 489
 <212> DNA
 <213> Homo sapiens

<400> 423						
tttttttttt	ttgaaaggaa	gcgagtaggt	tttaattcaa	gatacaggcc	cctcgcgttg	60
atctcgtaga	aggaaactca	gtggactgac	aagctcaagt	catgtatgag	gcacgtcctg	120
ggacccccac	ccctcctgcc	ataggaagga	cagctttggg	cagagggaag	gaggtttgag	180
atcaggggtg	ggcccataca	gattgtgtga	ggtggtctca	agtacaaata	cttatctgag	240
gctcctgaac	aggccagaaa	ttggtgagtc	tcaagtaggt	gtctggggaa	agagagggaa	300
ggggcctgcc	tccgctccag	gggagctggt	cgccgtttgg	caggcctaac	agacctctaa	360
ggcacagact	ggtagcagga	gagagctatg	tcctgtactc	cagatgctgg	gtaaggagca	420
gctggatgtg	ctcagatggg	gctcttctga	gaaggtggag	gtaggagaga	gggcagaaga	480
gagtaagcc						489

<210> 424
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 424						
ttttttttat	agaatctagc	aattaccaag	acattttatta	gttgtcaaaa	agctttacaa	60
tcagtttcat	gatcagaaaa	tagagcaaaa	tttcaatatt	gttttcttta	taaaattgat	120
gaatttctga	aaagataaag	gatcatttga	tttttaaaaa	tgtcagcttc	atcacatgat	180
gttccagaga	tctgacccca	aaagcttctc	aagttttact	atccatagtg	tccttatttg	240
taactgagac	ccatccgtta	ttttccatct	gaagcttctt	cagcagttta	taacaaagtg	300
aaagaagttg	gactaagaga	gccatcatgg	atcttgtctt	cgtaatacac	ttgtcaacct	360
ttagaaatac	tttattctgc	aaagaagtct	tagttactgt	ctggagctgg	tggcatagag	420
gaattagctt	gtttatttc					439

<210> 425
 <211> 378
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 425						
ggatnagant	ttanaggcaa	gacatttatt	cactcatgat	atatcagtgc	aaagtgtgcc	60
tacagtatac	aaggtaaact	cacaactcat	caaaactaaa	actttttaca	atgtgcaata	120
catgtaggga	tattaattca	atatataaat	gtcacatgtc	tcccaaagt	caccaggt	180
ttctgttatt	tcttaaaata	tacaagtcaa	tattaccaga	gaaaagataa	gaaaatccca	240
ttattttatc	ctaaacttat	gtatacttct	ctaaagattc	ttagggcttg	taagcaatga	300
ggtttaaggc	natttttttag	gatgttagca	tcccggggct	gacttngccg	ggctgtggga	360
accccaggnc	cggagtgg					378

<210> 426
 <211> 476
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 426
 tttttttttt tttctggttt aaggatactt tattattgaa ccagtatgta caaactctaa 60
 catgaaaata atgagtcaca gaatatcaag actattttaca atactttttt gttttttaca 120
 aaacattttt acaagattac ttctctctaa ataatgtgac agacatacac aaaaatccaa 180
 ctttttttat tacatacata aataaatatt gacttttaaat gaccactgta agggacatga 240
 attctacaga ccacttggat gagaaggtag cagttttgtt atctgcacac tacaatataa 300
 ttaagtaaag gggaaaagta actttatata gacctctgtt aatcactccg taaatcatat 360
 aactcactag gaatattcag taggaggttaa ggacagtcac gaggattcct ctccgtaccn 420
 gacaccngt ctggacctgg caaattcaca ggtaagggtc cacctctttn tatatc 476

<210> 427
 <211> 404
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 427
 aacaagttaa ttttgcagtt aggaaggtaa cagggtaggg catggttaca tgttccaggt 60
 ncaacttcct ttgtcgtggn tgattggttt gcncctttatg ggggggggggt ggggtagggg 120
 aaagcgaana gnaagtaaca tggagtgggt gcagcctccc tttagaacct ggttacgaga 180
 gcttggggca gttcacctgg gcctgtgacc ctcatcttct tgacatcaat gttattagaa 240
 gtcaggatat tttttagaga gtccactntt tctggaggga gattaggggt tcttgccaag 300
 atccaagcaa aatccacgtg aaaaagttgg atgatgcagg tacaggaata cacgagggca 360
 tagttctcat agtcggtggc caggatccag tacggtnccn atgg 404

<210> 428
 <211> 428
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 428
 aanttacntt ttagccaact tttattttta tgcctagaaa aatacatggg acgttttagga 60
 ctaatgtgct gggcaatttg ctacttagtg atagtaacac aatcctgaaa aggcaagcac 120
 aattattctg tactttttta aagttttatt cagcaataag accataattt ttcataattt 180
 aggagtatga aaaatttgtg gagtttttaa agctgaatac atgtagcggt ggatcaaggc 240
 acatacaaga ctggccaaag ggcggtacaa tgcacttttg ttttttggtg aaaaaaaaaa 300
 atcatgggca acagaaaagt gatatggttt ttcaacaagt aacagctcac aattcagtag 360
 gaagctagaa ggaaatgtta cattacgagt tcnttatata atatccggga aatttgtgac 420
 agtaatgt 428

<210> 429
 <211> 396
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 429
 tttttttttt ttgaagtaaa tatctgttta atttacaac atcagcagtg taaccgatat 60
 taanctggag aaagacaaag cacnctgaat tatacatgta catctaattt nctttgtaaa 120
 aaaagaagtt ttcaggaaga aacatctgca tctttacagg gcaccctggg attttaatga 180
 gggaagagca cagttcacta taaaccatta tcaattctac attgtaattt agcagcaaac 240
 atnttaacan gggngcatta agataataaa ggggttttat ngtttgaggg aaagaaaagt 300
 cncagttctt gatatgacag tctttttatc cccacctcac cccagaaaaa gggcaaaaaa 360
 ggtcaaggac atattaattt gcaaaagggtc tacttt 396

<210> 430
 <211> 447
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 430
 aactttactc ataaaatttt atttgaacaa aacaattttt ganaatataa aaatttcata 60
 agaactgctt tcctgttaga tacaaaattt attttaaaaa taaataatta tattgacctt 120
 taccatcact tgtctaaatt ttactcatgt ttattgtgaa gacacagagg tgaattagaa 180
 gagtatatca ttatacattg tcaaataaag cgaaggtttc cttatccaaa tagagagaat 240
 atatatgtga ttacttaata taaagcaaaa gctatttcta ccaaagaaca gacatgcagt 300
 tattgatctg gaattggcat cgattacaaa ctactctngc aattcttctt ctccccaatt 360
 aagggtgtctc tcttgaactg gattgaaagc tgtttgataa gtatactttt ttcaagatgg 420
 tgtgcnagc tggggggcct tttatta 447

<210> 431
 <211> 268
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 431
 tttttttttt ttttttggcc caaagtaaac atgtttattc tcagttctgc cttagggggtc 60
 tctagttttg caagcatgag taaatggant caacaataat cctctcctta aatgtctggc 120
 attaaaattt gtcacttaag aagtttctctg ttttgccata agagagtntg atttgagggg 180
 gacctgaaac aaggcttgag gcttntggac acataggggtt aatcgcccta tttcctgcca 240
 aatcgagag cagtgaagg ccaaagga 268

<210> 432
 <211> 261
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 432
 agtannatac cacagagaat agttgggatg aaaggcatcc agccctgct tcctttaaga 60
 tggcctctag gcaggtgggt gttctgtaag cctggcaaaa attctggagc caatctctgg 120
 caaggctgag tgccaggcgg ggcctaggga cccagggtcg gtgcttaatg cctcccgccc 180
 attggaatt actgacctcc aaatatatat atatatatgt tttttaattt aaaggggaag 240
 tacactgcac accttctctc a 261

<210> 433
 <211> 385
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 433
 naatagaaat gattttttat ttactttgat gattagggaa agataccaac atagctttca 60
 tcaaagctaa caaataactt tactggcagt taactaattt tattagacta aagacatgtc 120
 tgtttaaact gaaacaactg gccctttgct ttggctggga ccttggaat cacggccaag 180
 gtgctgatca gaaaagagtc accattacat caacctcctc cccagcacac agcacagaga 240
 tgccacgaag gcccacatagg gtccctagga agagcagctg ggggctccac ctaccgaggt 300
 cccagtgggc ttattttgga aaaggatttg ctttcacag ggtagggtgt cgcccaggt 360
 acatttcttg aggacttgcc cttgg 385

<210> 434
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 434
 atcataaaac atcttttttaa tgtgaacact acttcataca atgaaaaact atttacaatg 60
 tattgtttcc agattggctg cttttacatc atctctacc c atgtgctgac tcggcatgta 120
 tcttcagcca gggagcttca gtccaattgc acattctcct cgatcggctc tccaaggacc 180
 ccggggattc aggaacccg tccacttaca ttctctttag taattatggc tcagcaagca 240
 tgccaccaa atcatctaga acccagagac tctggcaacc ccatataagt aaaaatgtgt 300
 agatcaggtt tttttctcca ataaataata atttgacaat ccaatccatt tccatcttaa 360
 gaaattgttt tcacttagga aaat 384

<210> 435
 <211> 566
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 435
 tcctctccgc gaactngcac caactttatt tgcaaaaaga ggctccaagc gcacggagag 60
 gatgggggct gcaaggctcc caccctcctc ccggcctccc ggggctcctg ccctctccca 120
 ggccccccac ggcccccgcc ccgcnagcta cacgatcccg aactnngcac nctntanggc 180
 agctgatcgc ggcagctntg ctcgaaccac ttgccgttgg cgcgcctgac aggaccgcgc 240
 agttctcggc cttgccgcca tcgggttgcg cgggtgatctc agtctcccag ttcttgtagg 300
 cgatgcgggc gccggtcatg tccaccagc tgccctcggn cgccatgtcg ttgaggcca 360
 gccagatctc ggccctcgttg cccacgctct ggcgcaggta ctcatacagg gcgtcgttct 420
 ccgagccagt ctgaggggtg ctcagggtgc ccgcgcgag atgcagttct cgctgggctc 480
 gtggaangtc ttcgtctggg tgaaggcaga aagcatttta tgtgnacttt ggggtccntt 540
 naggggaanac gtttgaaggc ctgctg 566

<210> 436
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 436
 ttttaaaaaa aaactacatc tctttattgc agaatttata cttgtttgaa aaatacaaaa 60
 tgtagcgttg ataagattga agcatgttga aaggtaagta cagggaaggt tcctttcaga 120

atgactgcaa cagtgcagca aggattccca ttccccgcct aaaggacaat accttttttaa 180
tagaaataaa tgagttagtt agttagattt ttattacaga ttgaattaaa cagttagtta 240
caaagacatt ctctgataca ttcattcata gaggtcttaa cgtataaata catagtaaata 300
atcctataaaa atcggtaggc aatctcatcg tgcattatct tttgtgctc agacttggac 360
ttcacattca gtctctacat acagcttgat tagaatcata aaaacaatat gaagacgatt 420
gcataaaggg gatagtttga ccaaag 446

<210> 437
<211> 106
<212> DNA
<213> Homo sapiens

<400> 437
gcaggtcagc aacaagttta ttttgcagct agcaaggtaa cagggtaggg catggttaca 60
tgttcaggtc aacttccttt gtcgtggttg attggtttgt ctttat 106

<210> 438
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 438
cataatccaa taatatattt aataggttaag atctcattca tcaatataca aaaaaaaaaa 60
aacaaccag aaaacaaaaa actaactttg attaagacat gtgcccttag taaggnnctt 120
tacaattaga aaggtttatc ggtagcactt tgaggtagca tattttgtaa agtcacaggg 180
ctgctctgca gtttctctg gatacaaagg tagaggccat cagcctttgc ccctggaaga 240
ggaaagtga attatctgta ctcattgccca gtgtcagcct gaacacactt tctaccaccc 300
acccttggcc atccctctc tacactttat gcgtcggggg tttagaacaa cgtaaaggca 360
ttttgctgct tctttctctt tggtagcgca gcatcccagg ctgtggagcc agttgcctct 420
tgccgcatgt gattcaccag caggagacgc atgcaccctg tg 462

<210> 439
<211> 319
<212> DNA
<213> Homo sapiens

<400> 439
tttttttttt tttttttcat tttcattatg tagtttttat ttttagacgaa cattattata 60
aaaaaaaaagt tcacctggaa taaaatccat ttaaaaaaaa catagcatca gtatcagtac 120
acagttaatg aattggctta aacaagatta accacatgac aggtccactt atctgcagga 180
gcttttcaca ttaagccatt ggagcaaaaa taaaatatgt ttaaacaatgt acagtaggat 240
agttatatgg aaaaactaga gagtttccat taggggcatg attttcatca aaagtttatg 300
gtatttttga tgaaaggaa 319

<210> 440
<211> 203
<212> DNA
<213> Homo sapiens

<400> 440
ttttttgtga taacagatca attttaattc tagcacctga agctatacaa gggatatgctc 60
tataaacttc atgggactgt tgtacacact tgataaagtg acaactgtgc aataccactt 120
agcatctcaa aatcaggaac atactattga attgcttaaa cacaatccac agaattaaaa 180
acaaaatcag atgccatcca cag 203

<210> 441

<211> 309
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 441
 ccccgctttaa tatttatttta tttaannttc ataaacagng cactgcacct ccagtgttca 60
 tccatggcac tttcatgacc gcttcctggt ctgtggcntc tnttagtgcc aagttgnatc 120
 acatttcttg ctgaagttca gacaattgaa aacaaacaga ctcacatcct agggaaatca 180
 acagaccaac aatggcaaaa cacaatacaa tgaaatggaa aataatgttt gttacaggag 240
 tgcagcaatt taagaagagt gtctcaggag tgtggctcac tgggcagctg nagctaattg 300
 taagtgtctt 309

<210> 442
 <211> 281
 <212> DNA
 <213> Homo sapiens

<400> 442
 ttatacttat gattagtttt attataaagg atacaaatca gctccacaag ccaaggaaga 60
 cacagggaaa ggtctggaag ggtcttgagc acagtgtctc catgccccct cttcgtggaa 120
 ttagggcaca ctgccctgcc ggcatagcca cagcttcacc acccaggaag ctatgctgag 180
 ctttagtgtc cagagttttt attagggttt catgatgtac tgattaaagc actggccaga 240
 tgattaaact cagcctccag tccccgcgcc cataggtcag g 281

<210> 443
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 443
 aagcttacac tgagaattta ttggagggct ttgagacagc tcatgtaatg gaaagctctt 60
 aagaactagg tttagaaggt gcagagacca gggcaacttc agggatccag gtagcaggaa 120
 ggaatcggtta gcctcttttg tatggccact atggtggtag aactgtctta cgttgtttgc 180
 tgagtcttct ggctttcttc cactcttcct gctcttgagc atcagactcc aggttcttca 240
 gccttttgaa tctaggactt gcaccagtgg gttggttgcc aggg 284

<210> 444
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 444
 aatggctatt aaggctttat tgtaagggat tacagtaaaa gatattctat tgtgcaccat 60
 gcaagatgca gaaaataatg gtttaciaat aatgttaagc aaccaaggca ataatggttt 120
 tcctttcatt ctggttttcc caaattaaat tttttttttt cagattaaaa tcaggtttgg 180
 agttaacaga aaattgcatt cctaacttaa aaacttcaac ttctctagat tcctttagaa 240
 aaggaataaa tatagttaa aaaaatgttg ttt 273

<210> 445
 <211> 445
 <212> DNA
 <213> Homo sapiens

<400> 445
 aacattttatt taaaaaactt tatttttgctt taaaaaaaca attattcaat tcatgaagat 60
 taaccaaactt acaaaccctt tcaaagttaa ttacaataat ctttcataaa atagcattaa 120
 aaaaagttaa tattttaatg taaaaatcac aatgtaaaaa taaaaacttt agtttttagtg 180
 actaaaataa aagcagataa ataattcttct tcacagggaa aaaatacttg agggaaaaaa 240

caatggtata	acatgtgtaa	agcaggaaat	ttaaatatca	gcttagttcc	tcattgccaa	300
catggcattt	atatcccaga	tgagatttcg	taattgatcc	ataatttggt	tcagctgttg	360
attcttctgt	ttgagttttt	tatttacttc	agcaatttct	cgcctctctt	cactagcaaa	420
acgaggtggg	ccagccgata	atcat				445

<210> 446
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 446	tggggggtttt	taaggtgccg	catgttcttt	ttagtttcca	tacatcgtct	gtcccagagt	60
	gaggagaagt	tgatctcctt	cccacatcca	ccggaggctg	cgtgagggaa	gcctggctcc	120
	ccacaacttg	ctccttctcc	agccctgccc	ctctcaatta	aaacaatgct	ttcttttttc	180
	ttttcttttt	tttgagacgg	agtcttgctc	tgtcacccgg	gctggagtgc	agtggcgcca	240
	tcttggtcca	ctgcaagctc	cgcctcctgg	gttcacacca	ttctccagcc	tcagcctccc	300
	aagctgctgg	gactacaggc	gccaccacc	acgccaagct	aattttttgt	atttttttag	360
	tagagacagg	gtttcactgt	gttagccagg	atggtctcaa	tctcccaacc	ttgtgatcca	420
	cccac						425

<210> 447
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 447	caggattcca	gattttatatt	tttagaagat	tgaaaaaaca	caccaggac	aacatttctt	60
	tgatcaataa	actttcagga	aatggaggaa	gctgttttgg	gacacattca	aagctagtta	120
	acttgaactt	ggaaataggg	ttttgacaat	ccaactatgg	gaaacaaatc	tctgaacaaa	180
	ttttaaatga	aacctcacc	ccccaaactg	ttcaagtggc	agacaaaata	aattaccata	240
	aattatatgc	caacacacct	tttaaaaaac	aacaacagca	acaacaaaaa	cccaggagtc	300
	tgaggatttc	cttagctcct	ccaggaagtg	tgtaacactg	cttctggcct	gcaggctggg	360
	gcggatcagg	gacctgtcac	acgtcaggat	agttgcagta			400

<210> 448
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 448	tttttcacaa	ataaaccaac	tttaatagat	attattttgt	atttatatag	tgctttcttc	60
	aagaacctta	aatgctttac	agacattatc	tctaattaat	cccacaaca	acctgtgtgag	120
	gtaggтата	ctcccatttt	acaagacagg	gagactgaag	cacagagagg	ttaagtgact	180
	tgcccaaggt	cacacagtta	aattcactga	agagccagga	catgagcgct	ttacctccca	240
	gtcccagcc	aaatacctca	tgatagaatc	tttaataaaa	agtgttttta	aagaaagtat	300
	caagagttagt	tatgttatga	aaatgaggtc	tttctactgc	catcaaggaa	agaaaaaacc	360
	ctatactgat	ggttagaggc	cccaagacct	acataataca	acatttcctt	ctttccctgt	420
	tcccaagcct	cctggttcct	gtcttaaata	atcttttaaa	ggtaaaattt		470

<210> 449
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 449	gtttgtaatc	aatacatatt	tattgagtgc	ctactgtgtg	ccaggtgcac	cacactagat	60
	gcaacggata	ctaacagtaa	ataagatacg	gtccctgccc	tcagagctta	catttcaaca	120
	gtttaaagtg	catctcaggt	atttcagata	acagaagtaa	ttctaccact	ctcaaatttt	180

tttttttaaat	gcaagacaca	acacaatcat	aggccagagt	tataaaatac	aatgttagaa	240
agaaacgttt	ggtatcattc	gtccagatcc	catttttacag	aaaagaaact	acaggagtgg	300
ccatttgcac	ctatgttctg	atttcaagtt	tggtgtttta	cccattgcc	ggcctctcat	360
aaaacaatat	tcagatttgc	catgtatata	tcaatatcca	aacgctggta	gtatacctgt	420
gcagttgt						428

<210> 450
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 450	tttttttatc	accagtggtg	aaaagcagat	tttatagtat	aaccgttttt	aaatgagggg	60
	cctaagagag	ggcagtggct	ggttagtcct	atgttagata	ttaacaaata	cgtgtaggct	120
	ggatgtggta	ggtgacgcct	ataatcctcg	caccttcaga	ggccaagggtg	ggaggatcac	180
	ttgactcagg	agttccataa	cagcctgggc	aacatagagt	ccgtctcctc	acaaacttcc	240
	attcttggct	caggtattag	agtcagggtgc	cacaggtata	taatgaaccg	gcagatctgg	300
	agaggactgc	ggtgactgcc	ccctcctcct	cttgcacagc	acataggaaa	gggctgcggg	360
	gaggatgaag	atgatggcca	ggaggcacag	gaccggcact	gtggctgatg	tcctggctgt	420
	gggac						425

<210> 451
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 451	acggattata	aaagttatat	ttattcacga	tgctacattt	attgcattcc	cttagaaaaa	60
	tggagaactg	tttatgtacc	caatctgcac	atataaaatt	ttatacaa	tatgtgtagc	120
	acataaaggc	ctctggtaca	gctaaaatcc	tgacactata	atttgggtat	tcctgcttta	180
	gggtctccag	tttatcaggt	ctgtccatag	aaaacagaaa	ctggaattat	agtcagtcct	240
	gctaacactt	agaaactact	ttaaaataca	ataaaatttt	catttaccct	aaaagtccaa	300
	at						302

<210> 452
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 452	cacattaaat	tattttattga	acaaattgaa	gataatgaca	tatgttttta	ttacaaagtc	60
	ttccatcatc	ttatatcatt	gacacatatt	atgagacctg	catttgaaga	gtgaatagaa	120
	ataagaaaat	gttttcccaa	ccccacaaaa	acagaaaaaa	atatattaat	tttataatta	180
	tcttataaag	ccaaaagttt	tatgaattat	acttttttta	ttagttaaaa	atgacagcat	240
	aactaagggt	aattttttatt					260

<210> 453
 <211> 544
 <212> DNA
 <213> Homo sapiens

<400> 453	tttttttttt	tttttttttt	tgaaaagaaa	atcagattgg	tttattgctt	ctgcttgat	60
	acagagttga	agagcaagtt	tgagtgaagt	cctggagtgg	gcggtggatg	aggggaatta	120
	tggaaggagg	aggggttcct	caagtctggt	attttttaag	agatgggggtc	tcgctgtgtt	180
	gccaggctg	gtcttgaact	cctgggctca	agcaatccac	ccatctcagc	ctcccaaagt	240
	gttgggatta	cagatgtgag	gcaccgcacc	tggcctcaaa	tctgttcttg	agcagtagag	300
	aggaaaggag	aaaggaaggg	accactggc	taaaataaaa	tacattttta	agaagggcaa	360

ctctcagtga	gtggttgtga	tggccgccct	gctagggctc	ttccctcgcc	tcctggagct	420
cctcccttca	tcctctcctg	tattgctggg	cccagcctag	tgtggaagaa	gagtaaagct	480
gagctagaag	tattttctgc	tggtgcccca	ccaatttaaa	cacattaaat	ttggagtgtg	540
gttc						544

<210> 454
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 454	tttttttttt	tttattatac	aaattagtag	tttatttctt	ccttttagtat	tacagttcca	60
	aaacgtaact	tgaaggctcag	cacaggagct	gctgtgatat	aaaaggagag	agtcacctgg	120
	cgccccctgc	agtcctccag	ttgcccagca	gcagtgggac	gctcagtggc	acacagtggg	180
	tctctgtatg	gcctcccacc	tgcaagggtc	tccccgggca	ggcccagctg	ccagaagccc	240
	cggaacacac	aggaagacaa	cactatagga	tggcaggtgg	ggatctgtgc	aatacaaaca	300
	tgtagctaga	aaacccaacc	gaggatctgt	ctagaataact	tc		342

<210> 455
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 455	tttttttttt	tttatgtgaa	taaatacaaa	agatttttatt	ttttcctctt	aatttcttta	60
	aaatacatat	cattatttta	agcagaaatt	gtaacttatg	acaggactta	caatatttta	120
	atatgtagat	ttaatatgta	tgacaactac	agcataaaag	acaggatga	ttaatggatg	180
	tacatactta	caagattttct	acatttttatg	tgaagtggca	catcaactct	aggtagactg	240
	aaaaattaag	aatgtatatt	gtaatcacta	gaacatccaa	cttaaaaaaa	ttattaaaac	300
	agtatagcta	aagagccaat	aaattaaaat	acaatt			336

<210> 456
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 456	ggagacaatg	acaacggcag	ccgccatttt	attgccaatc	agccatgagc	ccgccttcc	60
	atacacaatg	acatttcac	cccacaatcg	attaacacaa	ccatgatagc	catgaactcc	120
	caactcctcc	agctgctagt	gctcaacggg	agagtcacct	ccaggctctgt	ctcattgcag	180
	agcccatatt	ctttctgccc	ggccagcagt	tactctctc	aatgagcagg	cactgggtgca	240
	gtcttgggtg	ggcaccagtc	acccttatgg	aaatccttga	tggatgttac	aggacaggat	300
	tggatgtgag	gggtcttgga	aatggggctc	aagaatcttc	atcatgaggc	gtttctgcgc	360
	ctactgacct	gagatacaga	gaggaagtcc	catggacacc	aacaccagtc	tc	412

<210> 457
 <211> 320
 <212> DNA
 <213> Homo sapiens

<400> 457	aagcgaacaa	tttgttataa	tgaaccagaa	atacaagatt	ccactgaaac	tgaacagttg	60
	acagaatatg	gttgaactta	aaccttcaag	ggaaacaagg	gcaaaacaaa	gctaagtgtg	120
	ggaaaagtcc	aagattagtt	tgggataaac	atgaggatat	aattgcattt	tagcatggct	180
	atcttctgac	ctcttccagc	agttcgtctg	ccatcattct	cccttctgac	acacctacca	240
	aatcaaattg	cttctgatcc	tctatattgc	agtataaacc	aaccttatag	tacctctctg	300
	gtcatgatac	aaaccagaa					320

<210> 458

<211> 306
 <212> DNA
 <213> Homo sapiens

<400> 458
 acttgagaag tcaaacagtt ttattacaga actatgtgta tatatTTTTgg gtttaaaact 60
 tgccaatagc tgTTTTgaaag gatagctcat aatttattca aatagatatt ttattaatca 120
 aatgtTTTTtg gtttatcaac ataaccaa atgtataaaaaa tgTTTTtaaa tacaagacat 180
 aactataaag tcatgaggct gattgacctt ttaaactaac ataataaaat ctatatggtc 240
 aaaatgagtg gtgatgcttt aaggtaatga ttatgcgtcc catctaagga tgctgcaatg 300
 gcctag 306

<210> 459
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 459
 tttttttttc agtgcatttg ccatttttat ttcgctatgc agaaacatac attcaccatg 60
 ggctgtgatg cagggtgatcg tgtaatggag aatctctctt tttgaaggct atttataact 120
 aacactaaat agttttaatt acagtggaaa ttctgtacag ttttaaggctt ggctctgaac 180
 tagaatgtaa atatggacca gatttgaaaa taaaacactt tcttttcaag taaaagaaga 240
 aaaatcaatt aaaaaatata cggcacggaa aaagtaacta agaaaacaaa gccacaggaa 300
 gccagcagt ttctcctgaa gtgaaatttc ataataattgt aaactaacia aaatacagggt 360
 tttcttccca aaataatgac aatttaagct ctctggattg aacacagacc aaagcaaaca 420
 acaaggaaga aatcgcata atatgctaaa atcagtacta 460

<210> 460
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 460
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 aaaagtaact gccagagaag tttttgtacc aagcttatga gtggatggga gtgttacttt 120
 tcttttaaag aaaaatgctg accaaagcct aatcggaaaa aaaggaaaaa ttaaaaaataa 180
 aaacaaactg aaggatatat gccaaagata accaaaatta atacagtgat cacagcacag 240
 ttcttaaaca aaagtggcat acaatctaaa aatatctctt tttctagaaa tactattatg 300
 taatctagtt caattatgga agcttttctg tcttgactct aaactgtctc ctttattgga 360
 tactctaatt gcagtggcat acattcattt tttttttgag atgggactcc cttccttctg 420
 tagct 425

<210> 461
 <211> 483
 <212> DNA
 <213> Homo sapiens

<400> 461
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 tggaattaga aataccagca gacatttcca aggggtaggt gcacagggtca acagaactaa 120
 actacagtga tcttccctta gatccttttc tactgagggt aatagctcaa aagacaagga 180
 tgcttttagt ccaggctaac cctgttagcc tctacgcaat taacacagaa gaaaggcctt 240
 cctcccttcc agcactgggg ctcaacagtg gactgagtgt ttggtagtgt acatttccaa 300
 tcttaataga gcaaagccag acttctgctt tgatgactga gctacaggga caggagtggg 360
 ccaaggttct caaattctgt ttttgTTTT ttccagactt ctatactatt gtctgcccta 420
 ggctgtaggg aatgctgggt agtttgctga acagacactg tgttcagcag ggtttggtgt 480
 atc 483

gagaaacata	gctgcatgag	aaaacagttt	ctaagcggtta	gtggttttat	ccacccaact	240
gagaaaaatt	ttaggttctt	aagtctaata	aaacattaga	ccagcaattc	ccagccccag	300
ctttgtgaca	ctcaatacgt	gtccaatttc	ttctaagggt	catcacagaa	ttctccaaaa	360
agttaattca	aattcagaat	catttnaaaa	ataatcctgt	gttggacaat	gcctttctgg	420
aaggggagtg	ttacaaactt	ggagggggaa	aaaaaattgt	atattgccag	gcccggntgg	480
ctaggggggt	ccctgtntta	gcagatggga	tcttagctgc	tcattactgg	gatccgnatg	540
cagtcctgac	ttaaaaatgga	aaggcttnag	ttccccggnc	atgcatgact	tttgnt	596

<210> 466
 <211> 383
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc.feature
 <223> n=a,t,g or c

<400>	466	attcttttat	tgtacattgg	agaaatagcc	ctgtgtgctg	gttcaagggtg	60
cacaggaaca							
caacatacag	aattattgaat	taagaaaaga	gggaacgggg	aagggaangg	aaacctcttt		120
gaggtccaaa	gttgncaaca	aaaaatggta	aaagatttcc	tcacgcaaga	nggcattttt		180
gcaaatacca	tgcaaaacag	gcagctgggtg	tgccttaaga	gaatccctat	aaataacaga		240
aaagacactc	caagcattcc	tgtacgtgga	ctcagagcac	agagaaaaga	aactaaaatg		300
ccttttggat	ttcaagatat	ttggcactct	tgtgattaca	tttttttaca	gtccattaaa		360
ggggaataaa	ctgacataat	att					383

<210> 467
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400>	467	ataattacac	ttaatatattt	aatagtgtgc	tgtgaaatac	atagtttttt	60
gagtgttaaa							
gttttgtttt	ggcaaagtgt	tcattttgtt	ttaatgactt	cgggtccaata	ttaaagaaaat		120
gaaatacagt	gaatagtctt	tctttcaaga	tgagctgtat	ttattactgg	aacggaagtt		180
gtcatatccg	tgatcattag	ctttgaactt	taagcacgac	tgcttttccct	ccaaggactg		240
tttttcttca	aatgactggc	accagcagca	taaagcatga	cttaaagcag	tttttgaaac		300
ttttgcccac	ccaatacaga	gcaattgggg	ttaatgccgg	gaattccagt	gaaagccagg		360
ttg							363

<210> 468
 <211> 239
 <212> DNA
 <213> Homo sapiens

<400>	468	aattgggggca	gagtacaccc	atttattgga	aaatgagaag	tcttgtgtgt	60
ttttcctaga							
gcagagaaat	tttaaagaaa	agatcagggg	ataatccatc	cattaagaat	tctccattaa		120
gaatactcat	tataggttta	attaatcaca	atgatggata	tctttaacat	taggcaataa		180
ttgacagttt	tatagtgggtg	agactatcat	cacccaaaat	acaattttta	aagggtcata		239

<210> 469
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400>	469	ataactgtat	acttgcattg	aatgcctcac	aatcactcta	aaaccaaagc	60
taatgagaaa							
aggataataa	cattttaagt	gttaacatac	acaggaaaac	cagatacaga	gtataatttc		120
caaacacagt	attgctgctt	ttttcccctc	ctcccccaaa	aaaagaaaaa	caaagaaaaa		180

ataatttggg taaagagcaa cacaaaatca aaattggcag ctactgaat gcttaaaatt 240
caggaaattt gttctttaac taaaatggaa tatat 275

<210> 470
<211> 209
<212> DNA
<213> Homo sapiens

<220>
<221> misc.feature
<223> n=a,t,g or c

<400> 470
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cagctgtggg gctcggcaac acccgcccc acccgccct ggcgctgtct gagaagaggg 120
gatctgaggg agatccaggg atcaggcagg atagggatgg ggcaggacat gaggctgggg 180
gatgcanang ttatttgga gangctacc 209

<210> 471
<211> 423
<212> DNA
<213> Homo sapiens

<400> 471
aatgattctc ttcctttttc acaactgtgc agtcactgtc ctattgtgtt ctattctgaa 60
aaacaaattt ttttgaaggt caagtttttc aatggcacia aactatttgg aatgaaccca 120
aaagatagcg gaaagttggg tccctcctca agtagtttcc tcctctttta acagcatcta 180
actactctct atcaataatc tcacacagc cgagttcttc ggtcagacga ttgacaacca 240
tcagtgaana aagctcttcg ataaaagcta actgatcaaa cggggtcttc tcataatgca 300
tctgaaaccc gccatccagg gctgggtctc ttgttctcag aaacatcttg tcggcttctt 360
caagagcggc tgatactctg tagccggcac cactgagctg ctctctctcg ggatagtcgt 420
agt 423

<210> 472
<211> 305
<212> DNA
<213> Homo sapiens

<400> 472
gtacaaaaaa aaagttttat tttgaagatt acagaacttg tgccatgacc ccacctggct 60
tccattccca gcaatccagg gatctgtggt ggggatgaga gtgagaaaag ggagtaggag 120
gggaggaggg aggcctgggt ggggtgggga agtgagtaa catggttgtt gagaagctcg 180
tggcccccta ggctgggct cactgtcttt actcctccat actacaagag tgatgaggaa 240
ggggatgagg cagatggggg ctatgatcat ggccaggagt acatcctctg gggggtcaga 300
gaagg 305

<210> 473
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc.feature
<223> n=a,t,g or c

<400> 473
gaatgtatat atttattata atctccaaaa taatttcact tgggtacaact gcttcttaaa 60
accatatcaa tatcaggctc agaatttaaat tacaaccaag caattcacia aaacactgag 120
caacaaaaca tgcttaatat ttctttgaga aagacccttc aaatatgtgt acagcatcac 180
tgggagttac acaaaaactgt tacaaggatga ccattaagt cccaattct gcacttctga 240
catacatgaa tggctaattgt aaccacgttt gggaatcttt ttacatctca aaataaagct 300

ttctgatgca	acttgccatc	cttttaaatt	ttaaaggata	ttcttgggta	attccttagg	360
aaagtaaaac	tacacacact	ttcagagaaa	ccaataagct	gcttagattt	ttaaaatttt	420
ttatattata	cacttcaatt	atgggggtatt	taattaaagn	cctccaaaaa	aanc	474

<210> 474
 <211> 258
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 474						
aaagatttta	ttgtcttctt	aagtcaatat	ccctggngaa	antangngga	taacttgaaa	60
ctggtgacag	tgcaacacag	accttcagga	gctgctttga	aggactggcc	tgccagaatg	120
cctgctgtta	agcagcagcc	ccctcactcc	ggccccctgca	tcttgacaga	tggagctgcc	180
atggtttcag	ggacactcag	cagggatctg	ggttggtccc	tcccacatgg	accttgtaaa	240
gttgctattc	aggggacc					258

<210> 475
 <211> 464
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 475						
ggtagganca	gaatacttta	ataagatacc	agtgtcaaaa	tacattncct	tataaagtta	60
agcncccata	cagttataat	gttgtcagta	ggaattcgac	aatataataa	cgctcatgaa	120
atcgttacgt	tgacaggtag	ggttaatatg	aagcttgga	tattttccag	tgttttaggt	180
aaaactgcc	agggntaaaa	tgccctta	gcccggggcaa	cacacacagg	gaaatcaaat	240
accaggcatt	tacacgtcgt	aaacccttca	agttctggcc	acccgtgtgg	ggggtaatgg	300
ccgtgcggct	taaaatatgg	attttacggn	aacaccatgg	actaggggaa	tttccttcat	360
agggaaacttt	aaattttctt	tttgganggc	tattttctct	gtttttgggg	gcattaggtc	420
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<210> 476
 <211> 469
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 476						
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cattactaaa	aacacaatct	acattccagc	cagggtctgt	gggtaagtcc	agaagaaagc	180
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cccgtcttta	tctcaacctc	aggcatgttt	tnntaggcac	ccctaattag	ggnggggtgt	300
ggggtaggag	ttaggaggca	ggcattgagg	tggggactgg	gngggacttc	tccattccac	360
cttaaaggca	ggcaaacctt	taaaagtccc	ccccaaaagg	naagggggta	gggggagggg	420
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<210> 477
 <211> 389

<212> DNA
 <213> Homo sapiens
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 <223> n=a,t,g or c

<400> 477
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 ataatacgtg gaaacaaagc tgtgactcac acagatgaaa tagctgcaca aaagaaataa 180
 catgaaaaca tttaaaaaga gacttaatgt agggaataag gctattttta tcaaggcaaa 240
 aacaaattta tatccattat ttctaaaaat aaaattagga cttttcccaa tccttaacat 300
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<210> 478
 <211> 145
 <212> DNA
 <213> Homo sapiens
 <220>
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 <223> n=a,t,g or c

<400> 478
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 aagaggagga ggggtgggagg tgggt 145

<210> 479
 <211> 359
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 479
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 agagaggtta agtaacttgc atcaagtcag agagttaata aatgagggag ctgattaaaa 120
 ttcaggcgcc tgggtaccca agttcctgtt cttaccact acactctagg cagcctctaa 180
 gtttaggcc tgcaaccaga gttcctccag gggaaggga cgcttcaggg tcatgggaga 240
 agttcaaggg ggaaaatata caaatgggct ctgtctccaa atggggggag atccctaagg 300
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<210> 480
 <211> 252
 <212> DNA
 <213> Homo sapiens
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 <223> n=a,t,g or c

<400> 480
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 cacataaaag gggaaaaaag cccacccaat cacagaaatg aggcattccc ggtatgtttc 180
 cggggcaatg cggtgtttat gtattgccca aatttngtct ggctagtatt ccaccgcttc 240
 tccaatggat tc 252

<210> 481
 <211> 299
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

<400> 481
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 caaggcaagc caacaggtaa acatgcttac acagcctgca gaaatcgcca ggttttanct 120
 tgtttttttag gaaaacaacc aaaacaccca aaatttacca tgacccggta caggaaaaac 180
 aggaggactc aagtgattac tagagctgca agtgtttctt agaattgaac caaaaattgt 240
 tttttcccaa ctggttcaaa tttcctctaa gtgcagggtga gaaaaaaggc aattatatt 299

<210> 482
 <211> 349
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 482
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 cagaagtaaa tnattataaa aatagtttgt ctaatacaga ctgtaaaagt tcagattttt 180
 aagagattca catagtattt tatagcacta aaatattaat acagtcagaa atattatcaa 240
 ttggtccaag atttctgttt ataaaatgtc tagactgcta attgaagaaa tgttgctgta 300
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<210> 483
 <211> 338
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 483
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 ggatctcact tttctctttt tcaccctctg cccagctggc ctttgctctg gagaggcagt 180
 ctctttcctc ctgccttcct gagtaaggca ggattggcag tggctgacct cagccctagc 240
 tatttaggga ggcaggggca gagatactag gcaaagtaga aggggtcaga gacacagggc 300
 ggcttagaag atttgaggtc tgaacatgag aaatgagg 338

<210> 484
 <211> 460
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 484
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 aaattcccta ttcaaaggct aaaaagccac ataagttttg atgatgatca ttttgaacgg 120
 aggctcgaga tggactgaga ggactgagac acagaagtgg ggggaccatg gtttttactg 180
 gctggaccac aggggggacct tntccaccog cctggnttga ggaagggttc tggggtgctc 240

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agaatgcaat	agtgggagtt	cctgctctga	ggaaccctgg	ggncccagnt	ccttttccag	420
cctcttttaa	anattccgcg	anaaacattt	aggnaagggt			460

<210> 485
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 485						
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gcaacaagaa	gttaagaaac	atagggcact	gtgtcgttat	gggtgaatcc	tagtcgtcct	180
gcagcccaag	gtccaagcta	gtttactcca	taaccttaag	taaataaccg	cgggttcctat	240
gaataccttt	ccaaaacat	ttattataaa	aactcactct	ttatccatta	tcagtattaa	300
cg						302

<210> 486
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 486						
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aaattattca	tatggcactg	tgttcattgt	ttgtatatc	aagtacaaaa	gaaactatgt	180
atagtgggta	tgcgtgggta	cagaagatga	ataataatga	aaaactgtga	ttttttgact	240
atcacatata	ttgtgttaaa	aaacaggtaa	atataatgac	tattactggt	aagaaagaca	300
aggaggaaaa	ctgtttcaat	gttcagggtt	aaataactaag	cacaaaaata	taacaaattc	360
tgtgtctaca	ataatttttg	aagtgtatac	agtggcattg	ccaatgga		408

<210> 487
 <211> 532
 <212> DNA
 <213> Homo sapiens

<400> 487						
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taaaatgcgc	aaactacagt	tccttcaaat	acagttgatg	ctatcttttg	tcctaataatg	180
tgcttcttgg	atgtctacta	attttgttgt	tggtattgtt	cttgaataac	tggtataaag	240
caccaagtga	cgggctgatt	ctatctacag	gtaagaagct	tggtatgttt	ctccctgatt	300
ttgtcatttc	tttccaactt	cccaaatgca	tgtcatacag	cagggaagag	gcattctctca	360
tgtctcaaaa	aagcttaaat	gcacagatgg	atgtgggcac	tgaatgttgt	acagtagtgg	420
gcaaccagcc	gggaaaatcc	ataggatcat	ttcagaccgc	attcaacaca	gatactcatg	480
tagccccgac	gtttcttgtg	aagggaattg	atggaatgcc	tgaggggggc	ga	532

<210> 488
 <211> 467
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 488						
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gccactgtcg tccaggatgt cctgccgtcc cgcaatgccc ttgccct 467

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<210> 489
<211> 282
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 489
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aacatcagtc atcaggtcaa acattcagct ggtttcctta cagtttctgt caggagtatt 120
tttatctgat cacatttata agataaaatc tcaccacatc tggcatttac acacactgtg 180
ccagtggatt cacactactg atgtacatat aaaatccgca tgggtatgtgc tcaactggaga 240
caaaacagtg cacacctgtc aaaagggtcat tttaactaat aa 282

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<210> 490
<211> 198
<212> DNA
<213> Homo sapiens

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<400> 490
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tacatactat gtgccaggct ctctgctagc tactagaaaa caaattacaa aaacaccatt 120
cacttttctt taaccgtaac ttattgaatg ctataattgg aagtgagtgt aaaagtgagt 180
gtatatgaaa taaaccat 198

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<210> 491
<211> 466
<212> DNA
<213> Homo sapiens

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<400> 491
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taaggacttt tcacacatta cttttaatcc atgcaatagt gctctaaggt aggtgctatc 420
attataccca tattacagat gaggaaattg aggctcagag aagtca 466

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<210> 492
<211> 1622
<212> DNA
<213> Homo sapiens

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<400> 492
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caagatgacc aacgaagaac ctcttcccaa gaagggttca ttgagtgaag cagacttcaa 180
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 <212> DNA
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<210> 545
<211> 412
<212> DNA
<213> Homo sapiens

<220>
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<223> n=a,t,g or c

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cttgccataa aaatattcta ctataataat gaaaaaatat atcattacat catcagtgcac 180
tcgaataaaa tatggtatag atatggcatt ttcaatgaaa gttggaagac acaccacatt 240
tgtactagtc ttaatatagg cacagtaaga agaacagata tttcccnctt tggctagtga 300
tatgcnttta gggtagttac gctgctgatt atcccagtga agttagtgtt gaggaaattc 360
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<210> 546
<211> 360
<212> DNA
<213> Homo sapiens

<220>
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gccctggtgc tatgtggccc cggagccaca gcacaaatca tcttnagtgg cgaacnnaac 300
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<211> 397
<212> DNA
<213> Homo sapiens

<220>
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<223> n=a,t,g or c

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ccaaggtctt actgcttttg ggttcatttt cacctcattt agttcgtgcg agacagcgat 180
gatttttgct gttttatgaa ggaggagttt gtggcttgag ttgctgggag ttggccagtg 240
tggcgagctc ttgtggccat gccagccggn gcaaggagtt gagccctcga ccaccgctg 300

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cccggtcccc actctgggtc cagggacagc actgaaatcc acacctttga cctgtgtcac 360
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<212> DNA
<213> Homo sapiens

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gaagaactct gaagatgatt cagccttctg catctggatc tcttggttga agagaaaatg 240
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<211> 142
<212> DNA
<213> Homo sapiens

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aaaaaaaaaa aaaaaaaaaa cc 142

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<212> DNA
<213> Homo sapiens

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ttaattggta aggttaagggt agc 503

<210> 551
<211> 316
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

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316

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<211> 2036
<212> DNA
<213> Homo sapiens

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<211> 493
<212> DNA
<213> Homo sapiens

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 <213> Homo sapiens

<220>
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <211> 411
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <211> 354
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

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 <213> Homo sapiens

<400> 562						60
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<210> 563
 <211> 1042
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <211> 625
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

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<210> 566
 <211> 574
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

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<210> 567
 <211> 1707
 <212> DNA
 <213> Homo sapiens

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<400> 567
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<213> Homo sapiens

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 <213> Homo sapiens

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 <223> n=a,t,g or c

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<213> Homo sapiens

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 <211> 287
 <212> DNA
 <213> Homo sapiens

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 gggccagagg aggggtgact ccagatcttt tgttacatgg actatagtag agcatcgtaa 180
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 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

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324

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<211> 404
<212> DNA
<213> Homo sapiens

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<211> 284
<212> DNA
<213> Homo sapiens

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<211> 352
<212> DNA
<213> Homo sapiens

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<211> 413
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<213> Homo sapiens

<220>
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<223> n=a,t,g or c

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<210> 581

<211> 323
<212> DNA
<213> Homo sapiens

<400> 581
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gattcatatt cagtaaacac ttattgggaa tctacactat caggaatgct ttttaaccac 120
aagtaatgga atacacaaat aatagtggct taaagacatt agttatatca catgacaaaa 180
aggctagaga tcattgtttt tgtgttaact tgttgcatg ctatcatata actgctttca 240
cttcaagcac tgtgcagagc ctcccagagg acctccgtgt gtgctcctt ggttcttcct 300
aggttccata gccagcctta gct 323

<210> 582
<211> 327
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 582
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agctttcatt agagtctcct taagtnttgg aaacaantta aactcagaaa tagtggacct 120
tgtagaaaag catcacaaat taaaaatata tttctccatg tggtaaaaagt gctttcaatc 180
ccattaaagg gcacagcaag ggtgtttgga aacacgatct gaaatttggc ctgcaatccg 240
tggcatcgat tccaaccaca gggcggggga gtcaccatga tctagagcac aggagccacg 300
tggggcccgg agcatgcgga cagcaac 327

<210> 583
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 583
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cagttactga atcagaagca tttcttaca agcaaacaaa ataagcatcc cttctatgtt 120
aataacatgt taatagtatg ttggcaagtt gatttagaac aacttgccaa caatacaaac 180
agaaaaaagg agtgggtcaa agaaatctag tttggcttta ttttcaatag atcactatgt 240
ctgttgaaaa aggaataaat aattatggag cctatctaata aatatactca atagnttgaa 300
attattgag 309

<210> 584
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 584
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tatatggctg taagtacta tttcctttca ttcaacctga attcctccct tcagcatttc 120
tttgagagaa aaaataggaa aattagtat tggaggctcc tataaaattt tcttacatct 180
caagtgttcc tgaaatcagg tgtttgggct ttatgaaatt ctgagtaact ttttttttaa 240
caa 243

<210> 585
<211> 354
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 585
tttttggcct tcaggtttcc atttaatggc caagccagca ctgccaaagat gtccctcctgc 60
ctgagaagcc caccacgct ggcacccctc agcctcacta gcggcatccc agtccagtc 120
tggtgtgggg cctcatctca gtccttcag caagctgttg acagagccca gcagctcctg 180
gaagtagccc tcgtcctcac catcctgcag ctccaggctg gccagcacct ggtactcagc 240
ctgcagggtg ccagtgtcct gccgagctgg gggtcctgac ggtagcggtc ccggcagtg 300
tcaggaggac gcccagtgtc tgcagcacct tctnacgggc atcatgctcg cttg 354

<210> 586
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 586
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acatgagaag acaaagataa ggcaaattgca gcaaaattgt aataattggt gaatccaggt 120
gaagggacta tggtgtgtct ttgtactttt ttttccaact tttctgtagg tttaaaattt 180
tcaaaataaa aaatgggaaa tacttttaaaa attgtaataca aagacattag tacagaaact 240
ttcataatgt attttatttt tacagtaaaa ttaatttatg taaattgata gaattttact 300
aatttcactc ccaagttaca ttaaaaggct tacatatgtt tgataatagc atatgtaaac 360
tagaactctg aatgatatcc attggtcata atacgtacta tgtagcggta atgggtgacnt 420
ttgtgattgc acaagtcnag agatgcccc aatgacattg acctagacat cngggttatt 480
cnaaggctga acngaagttg aatagaaggg ttagtccaa tacngagatg aaacngaggc 540
agtccnggcg ggggggagtg agtgtgtgtg natatatncc 580

<210> 587
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 587
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aaatgtccat tgattagtga gggcaatgta tgtaagccag aagaatgcaa taaataagg 120
ttatgtttct tcttgtcaga ccagaaggg agatctttga acaacagtgc ttcaaattga 180
gaattcagtc ccaggaaggg tctctctgcc ccacagactg tggtggacaa aactggggtg 240
taacacttta tcttcatccc caagccccag aaaattagag gcagagtctt tctgacttgg 300
gtaccagttt aagtccttat taagcagcaa aaattaattc caaaatttgg atgctgncct 360
tggaagaag catacaggaa aatgaaagg gtaagagtaa tacagcagcc catctgttgg 420
ttcctaggtc ctccatctaa gaatcgttcc tttggctggg cacagg 466

<210> 588
<211> 498
<212> DNA
<213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 588
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 ctgccagcct cagcctccca aagtggtagg atcacaggca tgaaccatga tgaccagctg 120
 gataaattgt ttcaggaagg gttgagatga tggtgaacat catgccctcc acatcaattt 180
 acgggggaaaa aaattcatct tgtttctgcc gattcaagag ggactgacaa gaggcaggaa 240
 acaataggcc aacactgtgg gtcattttca actgggtttc aggccttaca aaatttctgg 300
 acttgaaaaa tttaaagggt gagggcaagg ctttttccac ttcaatgggg ctgggtttaa 360
 aacccttttt ggcaaccaga ttccaggctt nttaggggac aggaggcaga ggtttttggg 420
 ggntagggaa aggtttttng ggacaagtta cggtttccaa ggttccncgg agggcanttt 480
 tttttcggag ggantttt 498

<210> 589
 <211> 237
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 589
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 ttttgtcca aagtgtcaca ccagacatat gactacaatg tctcatgcat ctttttgtgc 120
 tttagtcat gactgcaaaa cacacactta gcatttgaca acaggaaaca cagagggcag 180
 aaacaaatca caaggactag ttggtttagg ttacagccac attttccccg gggctcc 237

<210> 590
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 590
 tttttttttg caaatcatca gcgctcatgt ttatttataa agttacatcc taaaagtgat 60
 tcgaacaata aatagttata aagaagatct gctgccctac cctctgggtg tgaggcctcc 120
 atatggagtc agcagaggat ctgggaggga tcctgggaag ctctgggatc ctgggggtctc 180
 tgccgtctca gtgggcgcaa cagaagccag gcaagcttcc cacccttctc tgcaggcacc 240
 agctgggccc ccaggg 256

<210> 591
 <211> 392
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 591
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 gttcactttc aagtatgatc aataacaaga catcaaagt aaaaattatg ctgtattatc 120
 attttctcca ttgcttctta aaccactgaa agtaatttca caattcacca catttaggca 180
 tcttcttttt cactttcttc attttttact tctttaggca acaatggatc aatcttcagt 240
 aataaacctt cacttggtga actacgaagg aaagcacgta ccacaanggg acccaaattc 300
 aggcgggtct gtgcctacaa acttcattaa taactgcttg cggattgggc agctatctgg 360
 gtcacttgac atatccaatg ttggctatct tg 392

<210> 592
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 592
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 ataaggaagg gaggggacgg gggcagggag gtaggttcta cgtcttgag cacatcccac 120
 actttgatcg atgacagcag ccgcagcaga aaatgcagat ggggaagtgg gtgtctcgcc 180
 tccttcgcct ctggaacatg ggcattccagc tggccc 216

<210> 593
 <211> 538
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 593
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 gggctctagt gatcctcctg tctcagcctc ctgagtacct gggactacag gtgcacacca 120
 ccttgaccag tcacagtcct ttttatataa aatttgggtt ttattttcgc agtattagca 180
 cccttacata ggtcttggtt tctgtgattt catcaaatat tatatttttc tgaggccagg 240
 gtttcagata tgctgattag tctttcaatc aagattaaga acaaatgctt caattttcaa 300
 ttttgtttat attcttatag ggcctctgag ggttaaaaact aatttattaa atgtgttatt 360
 cattcccaaa aactttttaa aatcccattt tatttaatta atttatttga ggacataggc 420
 tcaactctgtc gcccnnggggt tgagggtgcaa gggcncaatc gtggggctca atgcaacctc 480
 cgnctccngg gggntcaagg caattctggc ctcaggctcc caagtaggtg gggggcct 538

<210> 594
 <211> 552
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 594
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 cagattataa aatcagtgtt gatgataagc cctcctaccc acaaaacaaa aatcgtatgt 120
 atgaaattcc ctttcccgtt agttatgtgc ctgtcagcca tcccacttca gtccatcttt 180
 ggatgctgag gctctgggtg ccagtcctta tctctacacc tgtccctggt ctagaggaga 240
 aacgaagggt ctctgaggcc cctgtaacag agacccttgt catccatatt tgcaataaag 300
 acatcatgga ggctgtgcaa aagtatcctt ctccccaact tctgcaggca ccatttccat 360
 ctactaccc agaggtagat cagagagcag gagccaggca ggtgacaaag atgtggaagg 420
 cttctaagtg gttggctttg cgtctcagaa gtgcgaagaa atgaaaatcc atcaaacaga 480
 atgccattcc atgtttcang ctttacctca cctcnaatcn aatggctggt cttaattatt 540
 gggccataag tg 552

<210> 595
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 595
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 gcatggggct gggctttaag gagcacaac aaaaaggagg gactagaaaa cttcagaaag 120
 gtattggtgt gggatgttgt cggggggaca ggggacagcg aggatgtggg atcccgagat 180
 catccaaatc cctatgtgta gacatatgtg tataaaggcc ttaagagac tcaggctgat 240
 ggggtatcag atactcaaga tgggtggtgc cgggctctga aagacatgct tcaagtaaga 300
 gggactagaa aactccgcca ggggaagcaac agggatcagg gattccagga ggatccaggg 360
 gcctggggac ttgttaacaa cagattgttg ggtctcactc cctagagttt cntcttcaag 420
 tattctgggg agcagccctg tgaatcataa taccaagtca gggaggggtg tccaccatca 480
 aatgttccag cntgcagtgg gcccggaag 510

<210> 596
 <211> 456
 <212> DNA
 <213> Homo sapiens

<400> 596
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 ccaggctcaa gcgattctct cgcctcagcc tcttgagtag ctgggattac aggtgtgcac 120
 caccaggcct ggccagtcct tccattctta gttcttgagg ttatgcagtg tctttgccct 180
 gtgcttctct tgtattatga tccaaactcc tttgtttaaa aaaaaataa aacacctaaa 240
 tataatccaa atgtgctaataaatgtgaaa cagcctcttt ctctgaaaca agttcttcag 300
 taaaataatt ctgtaatgta ttgctttgct tttcttacat gaagttatgc tattacaaaa 360
 ttaagtttca attacaggca aggttaaact ctgcaagcaa cccaaaactc aaaaagggct 420
 gaatgataag tcattcaggt aaagacaaaa gaatgg 456

<210> 597
 <211> 415
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 597
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 agggccagggt ctcttgagggt agtttttggg ccatcagtta attacatcga ctttccagga 120
 aacagactat ggagaatgag aggaatcaga ctgcctgtca cacacctctc atggaacccc 180
 ctagtgacac ctataaggac gttacagatc tagttccaga ctttacagat ctagttctat 240
 tttctcaagt tacagatggg gaaactgacg gcccagcag gggaacgcgg gatgtatcta 300
 agtcactagt gagttggcgg cagtcaggctc tcttngattn ttttcccat actctcagcc 360
 caacttctca gtggagaggg gctggcaggg ctgcttctct ggatagaatg tagcg 415

<210> 598
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 598
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 gaatgcacgg cggaattcca gactggactc actccataag ccaactcatc actgcccgtg 120
 aacatgaatt ctggctctca gagaagctga cattgtttcc ctgaacattc ccgtggctctc 180
 cctctgaaag ccgatgacca tccaaccctg actcacctga aatatcctac gagcatcgcc 240
 ctccgagact gacgattatt aacca 265

<210> 599
 <211> 400

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 599
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tactttctct tgtaggattt tccgagctag ctttctgttc tgatcaactg atcttgtctg 120
atggcacttt acaacgatgc ctgaggggat gtgcttcaga cacgcagttg ctggttttgt 180
tggttgccctg gccccctgga ccgtgtcctt tcacaaactg ctcttcgagt tcattctcat 240
ccaaggaaag cagtgcacgg gtagtccttc ttgcctgcca tctggaccgg agtgacagct 300
attcctgggg ataaacaacg ttcaggcttt ctcccaaagc cggagtcccc atgggcgccc 360
ggnatattcg ggtcaagtng gtgtaggaaa atgaaataaa 400

<210> 600
<211> 265
<212> DNA
<213> Homo sapiens

<400> 600
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taatcccata ttgacatgaa tgctgtggag agtctaataa taaatatgtg gcacatagct 120
taatatacac atcatggctc tttaacttta agccattacc aatagtgaga tgtaatggag 180
aatttaaatgt ggtagaaaag tcagagtggc tgaccagtcc cggaccttcc atgtgaatga 240
ctcttccttg gctccttgag gctgg 265

<210> 601
<211> 118
<212> DNA
<213> Homo sapiens

<400> 601
gaaagggtaca tatattcggt tatgtctaaa ataacaacca gaatcttctt tatatatagt 60
atttttaaaa gacacatata cacaaacaca aacatgtgca gtaaactcaa acacacaa 118

<210> 602
<211> 234
<212> DNA
<213> Homo sapiens

<400> 602
tttttggtg gaaattagat gaccaagctc ggaacggagc atcagggccc tcgtttgtaa 60
gcttagtttt cttttattcc caacaaattc catcctttta tcaactggta ttagcaagtc 120
aggtcagaac tattcattat ttttggtgca agacattccc actaaagaag ggacacagtg 180
tggtaaaata cattctagag ataagatgag gcagagtgcg agtgagtttg ctga 234

<210> 603
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 603
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tccttccaga tgaataggaa caggttacag ctgaccaggt ttcactccca gcttcagaag 120
atgaatcacg gtgggttggc ggacaaggaa tggggcaagc tggggcagcg cggaaggcag 180
tgctgttttc aggaggcctg acctctgtgg ccagagtcct cgtcagcacc gcttactgca 240
ggccaagatg cctcccaccc tccagaatcc gaccgcggag ggaagcttcc agtccaggag 300

cctgcgggga aatcctggcg ggggctgagg gctncagccc ctnggcctng gcatttgggt 360
gcctcttttag ggatctttnc ctggggtgcc ctaaagggtt caaccggttg ttccgtnctg 420
gaaagggccg aaaaataaat t 441

<210> 604
<211> 386
<212> DNA
<213> Homo sapiens

<400> 604
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tatttggggg ggggcattct gtctttgctt tgctatgttc tttttttaat ttttttgctc 180
ctctggatga aatttctgag atgttactag atgggggatg tgggggtgct aggaggggtg 240
ggagaaaagc agaaagcagt acaaatacga gacttcaagc agattcttag agcgactggg 300
aggtaaagac atggagaggg tttggtggag gctctgggtg ctacgacaaa cacacgaaca 360
cttagccgaa ctttccaaaa cgtcta 386

<210> 605
<211> 462
<212> DNA
<213> Homo sapiens

<220>
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<223> n=a,t,g or c

<400> 605
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cgcangangn gggagttccc cttaggagt ctactttcg gctgggcatt tctgggcttc 180
ctggggggca gatctggccg tgggggcaat ggaggagcn aaaggggcac ctgcccaggc 240
tccaactccc tgccttcctg gtactgctg ttccctgagt cctcagcagt agcctgaccg 300
tagaactggg agatactcac ggcctcccag cccttgatct cgcagcggca gaaggggcag 360
gtctgggctg tccgagtgtc gccaggcanc caggcagcag ctgcagaana ggtgcccgca 420
cggtcaatc ttcacatcct tgttgctctc agcacagatc tt 462

<210> 606
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 606
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tacacacctt tcagccttct ggagaggtaa gtgtacattg atctgtccta attagccttg 120
cagagtactt cagacatccc tgcaggaaca ctattattta ataaaataga agctgttttt 180
tcacaagctc agcacttgct ccttggatag ctgtattgtt tttttgctct tctctccttt 240
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gctcttttgt tttctccaac aggcctctcca gccgctcagg tgccctctgc cctggcccct 360
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caactctacc agggaggtca tcagtttcat agcagccagg gtgctagtgt gacagaaagg 480
cgcagacttg tgagtctgag aagccagtga gcaggagat gaagttgtcc atanggaagt 540
catcatggag gangagtact ggcaccgaca gaccatgtnc ccacaaactc acagaagctg 600
ccctgg 606

<210> 607
 <211> 487
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

<400> 607
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 gttctgcac cacaaccccc acgacataat gcagctgcca cagcaaaccat aagtgcattc 180
 atgaaagcct tggaatccag ttcagagttt gtggcaccga gctggaggga aagaccaagg 240
 aagacatttt cagagggtga gcacttgacc aagtggcaag cttgccaatt cacgggttccc 300
 ggcttcaaaa cagaatactg ccacattctt actgtagact tggctataac tcatttgacc 360
 ttggtcctgc cactggnaac aatncttctt tccttctccg cctggtnccg aagaaattca 420
 tttcccgctt ccggatgttc cggcacctaa ctatgcgttc ccaggacct acagatcgcg 480
 ggcaaca 487

<210> 608
 <211> 563
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 608
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 atgttttgtc tctggaatac taacgctctt tcagtcaggt gttccccaat tcataaattg 120
 cttttcactc aaataaaccc tttaaaattt tgttgtgagt cagatgtttc tttaacgcat 180
 gggttgcaaaa cgtgctgtta gtaaggaaca tgactgagat ctacattcag gtcctagtgc 240
 agtttctttt gctgtcacca gggccatctt gctggcttgc acagggttatg tgataatgac 300
 tgggcatcat tcatgggaaa ctgcactgcg taagggccct gggctaggcc caccagtagg 360
 ccccgggcac attttcagct gcgacgaagg gactagcaac cgggtgangta gaaggagaac 420
 caagagatgg gtgggagaat gggaaactgag ctgagagagc ttccggaagg ttgcggtggc 480
 ctaggngaatt ccacgtcatt gagaaacggc gttagctgat tttcacgggg gcagatgaca 540
 tggaagtgtc gctgaaggaa aca 563

<210> 609
 <211> 465
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 609
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 gaaatgaaaa tattttaact taaaaaaata cagagccctt gttgattaac agaatttgtc 120
 ttaaataagga ttttatctat agtatcatat atataaaatc cttatacaag taaccattga 180
 aacaagtcag taacaaaata ttcacataac tgtatcacag atcttaggaa acagacattc 240
 agaaaagatt taaggccact aagtaacagc ctctcataaa acccaacaaa tcttaaaatt 300
 gcnattagac ttaaaaggga cctaaatacc acttcatgct gaaccaagat tagaaaaatc 360
 ttccactctt gacattttca tgttcttagt ttttccaatc aagtgatcag ctgtgataaa 420

465

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<211> 275
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<223> n=a,t,q or c
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[illegible]

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<210> 611
<211> 258
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<223> n=a,t,g or c
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<400>	611						
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tttaatatatt	tccgagagat	cttctgacat	gcattcntca	tattctctat	caacttttagc		180
aatctgctcc	tcaagatgtt	tctctacaga	ccaacatgt	gtagcaacca	tctctaacag		240
acqttqcaag	ttaatttc						258

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<210> 612
<211> 419
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<223> n=a,t,g or c
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[illegible]

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<210> 613
<211> 476
<212> DNA
<213> Homo sapiens
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<400>	613								
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ctcccaaata	gcaagagttt	tcttttcccc	ttccttggtt	ttctttttta	gctgattggc				180
ttttgtctat	cttgctcttt	ccttttcttt	ttcgtctctc	cccgctctgt	gttgggggtat				240

tttgtggggt	ttttgttttt	cccctggctg	tgctgaggca	gcaggctggg	tagggtttag	300
gactgtcctt	tgctcggtttt	ctctttatct	atctttttca	tcttcatcct	tcgattctga	360
aaccagattt	tgacctgccg	ctcggtgaga	ttgagaacct	gggccacctc	ataccgacgg	420
tccctgggta	aatacatatt	gaagagaaac	tccttctcca	gttccagcgt	caggta	476

<210> 614
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 614	ttttaa	caagt	ttctaaaaca	tttttattgt	aaaaagttca	agaagccatt	tacaagccaa	60
	aaagtatcag	aattaaataa	cacataattt	ttatagacac	atttttctgt	acaaagggct		120
	gatctttata	ggaattttta	ataaataatc	taaaaatcaa	tgctactgat	tgcaaaatag		180
	gtctctctct	cgacctctc	aagggtgacat	gcatttctatg	cagccaaaag	atgagggggtt		240
	tgacatctgt	gacgagccc	ggcagtgagt	ctctggcgaa	gatttctcac	tttcttaata		300
	agattctgtc	ccgtgggtgtc	ccattctact	gctcttctat	ttaaagaaat	ctgtgttgag		360
	ggatccattt	cagaagagtc	atttaattgt	gaggttctag	gcaaacagct	tgagtcctgt		420
	tc							422

<210> 615
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 615	tgcggccg	cc	tccatgaagc	ggaaaagcga	gccgcggtcg	agctgggccc	ccgccccccc	60
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	aagaccgcg	c	cgccggacc	ccccaggacg	acgtgtacct	ggacatcacc	gatcgccctt	180
	gttttgccat	t	ctctacagc	agaccaaaga	gtgcatcaaa	tgtacattat	ttcagcatag	240
	ataatgaact	t	gaatatgag	aacttctacg	cagatttttg	accactcaat	ctggcaatgg	300
	tttacagata	tt	gttgcaag	atcaataaga	aattaaagtc	cattacaatg	ttaaggaaga	360
	aaattgttca	tttt	tactggc	tctgatcaga	gaaaacaagc	aatgctgcc	ttccttggtg	420
	gatgctacat	gg	ttatatat	ttggggagaa	ccccgaagaa	g		461

<210> 616
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 616	ggcaagaaaa	aagagtaatg	tacaaaagtc	attacatttt	gtaatatact	cattacaaaa	60
	agagtaatgc	acatgagtac	attactgttg	tattaaat	tatattagaa	gaaatgtctc	120
	tttttgtgaa	caacttcaca	aaaccagaaa	attataaagc	cacattaaaa	ttaggtgaaa	180
	tcacatcagc	cagccagaca	caccattgac	atttttctat	atttttctgac	aggtttttga	240
	aatgcatat	atactttaaa	aacacagttg	ggtcaggtgc	agtggctcac	gcctgtaatt	300
	ccagcacgtg	ggaaactgag	gcagaaagat	tgcttgagct	taggaatttg	agacaggcct	360
	gagcaatata	gcgaggctct	gtctctaaac	taataataat	cc		402

<210> 617
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 617	caaagaactg	attgcacagt	atacagaaat	cctgttatac	tttactactt	aagggtggagt	60
	ctaatttttt	ttttttaatt	tatcagtgtc	taaaaatctt	caaaatagct	tagtgaggct	120
	catgacagtg	ctggcccat	ggaaatgtag	ccttttggtg	cgtttaaaca	ctgtcacacc	180

atctatgact	gtcccattgg	tctgaagtgt	agtggcaaac	taagcatcct	ataagacaag	240
ctaaagcttg	cttttttgcca	gtcagttgaa	agtcttgcac	ctcttcactg	atgcactttc	300
tttaggtatt	gatagtcaga	agcacaaagc	atcttattatg	cattcaatca	tgtagctaaa	360
caaaaaactg	aagtctcctg	aagccattta	aaccagccgt	tccaaaatct	cctg	414

<210> 618
 <211> 377
 <212> DNA
 <213> Homo sapiens

<400> 618	aaacattaag	atcttattac	aaaccatgca	ttatatatctt	ctttacactt	aaggaataga	60
	tatgaaacaa	tcttgagta	aaaattagaa	ggcaacttgc	ttcaagtttg	taccaagtca	120
	atcaagcaga	aacctgaaga	accttgtttt	aagatgagag	tcattttatac	ttggcaggca	180
	ttttcttcca	atgaaaaaat	aaagtcaatg	tgccattatc	ttgacactta	taaaaatggt	240
	tataaaaagc	atctaggcca	ttgattctca	cagttggctg	aattattggaa	tcacctagat	300
	taaaaaaaat	actaatccct	atacaacatc	cccaaaattc	agatttaatt	agtgtgaagt	360
	aggccctggg	catatag					377

<210> 619
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 619	gtaccaggca	ggggacctat	tttacaactg	gctttgagga	gcttgccatc	tgaacagtct	60
	ttagtagtat	gataattaca	gagacacttc	gtacaataat	caaattccaca	gcctttctcg	120
	ttgcagggtg	cccgttgtaa	atagcaatca	tattttgcag	gtgaattaca	gcgaatacag	180
	gctttgaggc	tttcggtcct	tttc				204

<210> 620
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 620	cgttctcata	ttttatacca	ttttctgtgt	gtacagggtg	tgcaaattaa	gcaatttcaa	60
	taaatattag	aaattttatt	tgcaaataa	aatgagtaa	aatcagctaa	taacgcaata	120
	caataaaatc	atgtgctaaa	cagagctttt	tcccatgaa	cactttttac	cctttccttt	180
	gaacatcctg	acacttccta	aatacaatct	attttactga	cttgtagaaa	taagcaaaag	240
	atgaaatatt	aactagctgc	aagatactaa	atactttagt	aataagagct	tggagctgtc	300
	aagttgtaat	aaattgaaaa	taacagaaaa	agtgaataac	gctgcaaatt	aatgctcaaa	360
	aatgcagcca	tctgacttgc	aaaatacaca	atcctcccag	cc		402

<210> 621
 <211> 477
 <212> DNA
 <213> Homo sapiens

<400> 621	ttttatttca	tcactataat	tttaatcatt	aggcatatta	atgtcacata	cagtttttaa	60
	aatataaata	tttttaaagc	tgtttttaca	tatgataaca	agaacaccca	gcagatacag	120
	gttgtagagt	taatcatttt	gactgtgtca	gtaataata	cagaatactg	taacggtaag	180
	agaaaaatac	tttttttttt	tttttgagac	tgggtctcgc	tctgtcgccc	aagctggaat	240
	gcagtggcgc	aatcacacct	cactgcagcc	tcaacctcct	gggctcaagg	atcctctagc	300
	ctcagcctcc	tgagtagctg	gaactacatg	catgcaccac	cacactcagc	taattttttt	360
	taaatttatt	tttagtagag	acagggcttc	actatgttgc	ctaggctagt	cttgaactcc	420
	tggggtcaag	tgatcctcct	gcctcagcct	cccaaagtgc	tgcgattaca	agcgtga	477

<210> 622
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 622
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 agggatcttt ggggtctacg cttcccatcg cctcagtgtc cgggtgcatga ggaaggtgtc 120
 ctctgaaggc cggggccgga gttgaagtcg gagagggggc agaccgtcca gggtcagggtg 180
 tggagattca taaaatagcg tttctgggtc acacaagatg gtcagtgtctg gcccaggccc 240
 aggtggctcc tgttgggagg ttggggccaa agcaagggtta cactttggga ggaaggatcc 300
 gggtaagggg gtacatggag gaagccccac gcccagacct catcaccttt ggggtgcgggg 360
 ctcgagcatg tgcggcaagg agagccaatt tctccctgag cgcggcattc agaacctgtt 420
 cctccg 427

<210> 623
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 623
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 caagaaaaaa aaagtaactg atatagtaaa ggcactcaga aaaacaacag aaacaatatg 120
 aaagggtgta caagagacag aaagagatga aggatgatga ttagtactca ccttcttcaa 180
 agctgcagta cggactttcc tctttaggga gagaagatta gaaataaaca ggtaaaaatt 240
 acattaagaa agggctacta catatatata atggggtaat tatttatata gatctttaag 300
 aaaaggcaaa ttgagttctt taaacacata cgtgtgagaa tgggacagat ctgcattatc 360
 taacaggatg gtta 374

<210> 624
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 624
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 gaggcaatag agaacctcaa caaggctggg gagggtggat aggcaggaat ctggaaggca 120
 ggataactct tgagaacctg gagagcgtct gtggtttacg gtcagtctca aggcgatgga 180
 tgggagtcct ggtgtgttta gatttggcat gtttctcgcc ttctaggagg gtgccgttaa 240
 gtcagtggcc agagcccaat cccatggcac ctgctcagga ccatgaatga agaccttgct 300
 ctggggcatc caggctctgtg tgaaggagca acaggagcct gtgggcaggc agatgtcttg 360
 ggaggggaga tgtttggagc caagtctaga gaagcttctc act 403

<210> 625
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 625
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 taaagaggaa cacgacaatc agccttagat tgagcaagtt cagctcctca ctaggaggatt 120
 cttgaatcca ccatgaaaat caacagtgtg catctaacag ttttctttta atttgagaac 180
 tgaaaagtga atcatcacat caaatattct tcagggtctc tttggtttcc agattaaaca 240
 tgtaatgtga cggatcatct gccacattct cacatttcca ttttaaataa tcataaataa 300
 gaaaacctta ctattctttg gcataacaca gctgattgat tccgctgagt ttcaaagtct 360
 tagaaattgc actcattcct tcttttagagt cctgcttcat ggcaaaagtt ttcagctgaa 420
 ag 422

<210> 626
<211> 382
<212> DNA
<213> Homo sapiens

<400> 626
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gtgaagagcg tgtggtgaac tgtaaataat gactatcaca tttagttctc ctacaatcca 120
gtgaggagta gtcacttgct cgaggtcacc cagcgctggc aactgctgga gctgggattt 180
gaaccagct agcagtgtcc atgctacaag agtggggcca gccttggcac aggagggtga 240
ttgctgcagc cagtgtttct agagttccag atatgaagt gtctcatgtt ctccttggga 300
ggaggccctt ggcttcccga agtgctggga ttacaggtgt gagccacagc actcagccac 360
cagagctttt ttcaaaccgg ag 382

<210> 627
<211> 498
<212> DNA
<213> Homo sapiens

<400> 627
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taactgagac attttgtcaa ggctaaaaaa aagtcttgca aaatggggca gtggactgac 120
aggctgacat agaaaataaa ctttgcccaa tcacaacttg tgctcccat ccctggagta 180
ctgactggca ccggtgaagac agaatctctt tgaatccatt actccatgcc cccttgaggc 240
actgttgaag aaatctcact tttcagccag ggtactggtt ctggtacata tggatcataa 300
gtccatttgg ggaagactcg tttatacagg ttcatcagta ctgtgtcttg agatttttagc 360
ttcccatcaa agctgcattt catgtggcca tgggtaccta aaggttcctt gatatgtcct 420
ctccggcccc acttcgttct cagttccacg gtttaaccac agcacatcct ctctgttgaa 480
gaacatgtaa cgtactac 498

<210> 628
<211> 423
<212> DNA
<213> Homo sapiens

<400> 628
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aaaatcaaac agtttcttaa acaacagaga gcataatccc aatctctccc catgaaaagc 120
ctacttcata actgaagtac cttaaagccca tgaactgcat tactagaaga aaggagggaa 180
aaagacattt actaaacttc cacaggaaga ctgtataaat ctggaagtgg ttaagtacac 240
atcagcctgt atccaagaat actactcagt ctcaaaaatt aactgaaaat ctaaacttaa 300
tatggatact tctttgttct tggtaaggct cagaaaatta ccatctattt aagtacgcat 360
ggtactagtt acatgtcaac tgatataata aaaaagggtga agtggacaat cagtatttca 420
aac 423

<210> 629
<211> 497
<212> DNA
<213> Homo sapiens

<400> 629
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catcttcac attgaacgaa caggggggtct cgcctcggga ctcgagcag tgagaggccg 120
cactgctgga ctggtgactg tttggggcca ggaactgcc agttgctaag gccacttctg 180
catccaagca taacccttgg tttacacttg actggggtaa ggtggcacca gtggtcaggt 240
ctaaatttga aactgattgg gtagagttca gaagtagtcc ctgatttaac caagaaggtc 300
ctgtggagat atctgtgata taaccttcta aagcctttgc accagggatt tcgcaagttt 360

cagatcctcc agagagcatt tgcctgactc caggccaaac gacattccca tcgcttttagt 420
acttctatgt catcatggat ctcaaagggtg ttgtcaaaat tgaaaagata ctcaaacttg 480
tcactggaga tgctgca 497

<210> 630
<211> 407
<212> DNA
<213> Homo sapiens

<400> 630
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acggtgytta acttacaggc agraaccaaa gtagscattt awtgcgtag atatcgata 120
caagacatac acygggggaga atgcttcacc atctgamgmt cacaccacaa yggcccagtg 180
gacagctgtg cactctgctc gtgcttamgy gccycggyst ggcychgggg acggcggtgc 240
ygmagaacag aagaacagct gtgtttcaca mgtactgacg cattttcgac tgcayccggg 300
gggtatatat tttyhscsyg mcgggrcghg gggaaatcag caaagtcctt cccacagagc 360
attmggctgc ctygcagaga gccacggcag agamgcggac ttctcct 407

<210> 631
<211> 481
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 631
tttttttttaa tttttaaaat atttaataca tttttgttct acaaagaatg agcattttctt 60
aaatattaca aacagtgaag caaatatact agcttacaga tatgtacaat ttatgacttt 120
atacttcaaa aatgcaggaa gataaattat atatttnata tacatgtaat tttagataga 180
atgaacaatt caatattgct cttgtgttgg tcttgctgca ttgtatgcat gcccatggct 240
tgtcgtgga tggaggaggg gctcatgggg ataganggga agtcatggag ccccatgctc 300
atgcccagag cgccatcttc aaagncaata ttttaattaaa tattaactta ttctgcctgg 360
ggtcaaaaac tgctatgcc atatgccaat gtaggggtgtg ttttcaagga nccacagcta 420
ccatatttgg gggtgggaaa cgtacaatgc cttaaaaaat ctattcngtg gtactaactc 480
c 481

<210> 632
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 632
ntgantggaa ggagtaaaac tctttattca tagaacacat gactgttgat gtaatttaca 60
aaaacaccat gagaactcac agtttagcaa ggctgaagga tacaagttca acatcaattg 120
tatttctatt tactagcaac aagtggtag aatttgaaat tttaaaatac catttagcat 180
caaaactatg aaatgctgac atggtagacc tgtacactga aaactacaaa agattattaa 240
gagaaataga agacaaaaca ttaataccta ggnagacag accttgttta tagggccaga 300
aggacttcaa tattattaag gntgggtcaat tctcccaaca gttttattat aaattccaat 360
ggcaattctc aattcagggg gccccacggg gggttttttg tggtggtggt tgtag 415

<210> 633
<211> 371
<212> DNA
<213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 633
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 gcatatggga taatcttatt ccttaccatc ttgttacaaa taaatnctaa acatttncta 120
 aagatattca aactgagtta ctacagacga gtgcctatca agtgaagact ctgtatagag 180
 gaagtcaggg anttagggct gggcacggtg ggctcatgac tgtaatccca ggcgttttgg 240
 ggaggggatcg cttgaggccc aaaagggttc agaccggccg gggggcaaca cagtgagggc 300
 cccatggcct ctattaaaaa aaaaantaat tcgggggntt ccccttaca atngggggcc 360
 ccgnaatta c 371

<210> 634
 <211> 421
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 634
 aagatatatg tatatatata tttnaaaata gtatgttttt attgcaaaat attcattagt 60
 gtcatcatat catagccaga tctacaaccc cagagtaatt cccatgggta tggtacatgg 120
 caaaaaggac tctgcattgt aattaagttt attaatacagc tgacttttagc attgggagat 180
 tattctggat tgcccaagca cttaagaata ggagaaaccg gagagatgca gcagcaatag 240
 tcagtggntt caaatatgaa agggatttca cataactattg ttgggcttta aagataggaa 300
 gtcgtggggg gcaagggaaa ctctctnaag ggaaantaat cngggcaaca acctaaataa 360
 ttcccagaaa angggttctt tttccagagg tccaggacag agccngtggg gttctttccn 420
 t 421

<210> 635
 <211> 452
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 635
 atttttaaadc atgtttatta ttttaagtttt tatcacagtg gagattaact tatgtttaat 60
 catccaatca gtgcctactg tcaacttaat caaattccaa aaaagtaaaa tcaactcatt 120
 catacactct aagtcctctt actatcccac cattcattgc ctgtgtcttt tttccctttt 180
 aacggcaaca tcgtaataag attgtgaaaa ggtataacta ataagtttct atgtatgtat 240
 aataccattt cttcaagtat tcagagagca gtacatttgt ctgcattgta cattagaaaa 300
 ctacttgtga cattatttct aagtgcagga gagcagctcc tgggtgggga gagtaatgaa 360
 gttggtttgt catagtggta tggcccaagg gatttaccag cactcnaaga atttttcaca 420
 actctttcca tggttaagtg aatgacatta gg 452

<210> 636
 <211> 579
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 636
cagcagaaga gtgacctgat ttatttcacc ttttattgga aatctgtggg acagaactag 60
gcaatgaggg tgctacaata ataaagggtga gtgttggcag tggcttgacc agagcagaag 120
tgggaaatgaa acagttggat tctgtttggt ttcaaagaag agctcataga acttactgat 180
ggnttggttat gtaggatgtg aaagaaaacc acagaaatga ctccaactaa aacagtaaaa 240
tgccattcac taatttcaag atgatgagag aagctgtttt gcagagataa tgaaagaaat 300
tctgtttgaa gcctattaaa gtttgaagtg catattaatt ggactttcaa gttgagatgt 360
caagtaagta gcagggtctc tgagtatgga atacnaggct gtgggcnagt gacttancgt 420
ctgcaacatc cacatatagg cagcatcncc atagcaacaa acatccngtt ccaaataatc 480
cgccngatct tcntcctcca cgtccatctt cctcagagtc catcaggggc cnccagnact 540
ggcnaatcca cncatgngcc cgttacctcc ttctcngca 579

<210> 637
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 637
ttaagacaaa aagatcgttt ttattcactt ttgattacaa aaaaagggtta catgaataaa 60
ataacaattt cctttaagag agggattcct gaatgattaa actgccaagg aaaaagagt 120
gaattcttcc ttttaataaa ggtgacctag gtcctgagga agttaggaaa aaagaaaaac 180
tcacattata cttgttaaat ttgttttcaa atgtgattat taagttgttg tatttatttt 240
ttgttataga caaagcaaac ccaaaaacta gtctaaaaaa gaattccnat gcattattaa 300
aagagatagt aataaaatat gtattgggtg tgaagaattc cacaagcact caagattggn 360
cataaccttt 370

<210> 638
<211> 445
<212> DNA
<213> Homo sapiens

<400> 638
cacaaatcta gtttttattt agaagataag attcagatag cccatataaa aactgctggt 60
agataaagct ttcaaagtac atgaataatg agtttgtaat gcaaataatt attttcattt 120
cccagtgctt gtcagatata acaaataaat gtattgggta gcaaatacaa atgtgaatac 180
cataacttat actcaaatat gattatgata ccagagcaag gaggttcagt gcataaacca 240
gccaacgatt atgtctacaa aatcaacagc aatatgtaat cagatggacc caggtctcaa 300
tcattctctg tcattgggaaa caaggtaaca caccatagg taccctccag tcttttataa 360
atcagtagtt ccattctctc tcttatccaa agcctttcac cagagtgtgt gggaaaggac 420
aggatggact aactgggaag ccctc 445

<210> 639
<211> 375
<212> DNA
<213> Homo sapiens

<400> 639
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atgtaatact acatactctg tgtctccata attttactgc ataaaggaaa atcttccaaa 120
ggaaaaaatc attaaaccca acagcttaca gggatctaaa tgcttaatac aaaatcaatg 180
gctaacctac agtagatcaa cactctagtt cagcactgtc caatagaaat ataatgcaag 240
ctgcaaatgt aagccacata atgtaattta aatttttcta gtagccacat ttaaaaagta 300
aaaagtaggc agtgtacagt gggcttatgc ctgtcatcac aacactttgg gaggtgagg 360

tgaggagatg gcctc

375

<210> 640
<211> 371
<212> DNA
<213> Homo sapiens

<400> 640
gcatatataa ataacattta ttaacttagg ctgtacaata tattgattta gtcaaataaa 60
aaataaccgta cacaaaaatt gaagtaaaat ctgtaagatg ccattcagac tgaattttat 120
attctgaata agacaaggga ctgccattca cttaaagcaa aatgggtcca attccgttta 180
tctatctatc tatctatcta tctatctatc catctatcta tctatctatc tataagtctc 240
gctctgtcac ccaggctgga gtatctatct atttatttat gagataagtc tcgctctgtc 300
accaggctg gagtgcggtg gtgcaatctc cggctcactg caacctctgg cctcccacgt 360
tcaagtggtat g 371

<210> 641
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 641
gtngttccaa aataagacat ttcattttat ttctgaaatc agaataagtc ggtgagagta 60
gaaaccacta ggtcgagagc aagaactctc ccccaaagtg gagagaatat ttctccctac 120
cctgggctgc ggatccctgg aaatggggct tcttccctcc acatgttctg ctggcacaag 180
tccccttggg cgggctgggc tgaagtgggc aggggtgggc ccctttcacc caccagaaa 240
catgggttca cttgaacgtc aggtcttagg atcttcgagg gggccccag tncgctttnt 300
gacctggggc cagcaagagc acttctgac aaccct 336

<210> 642
<211> 203
<212> DNA
<213> Homo sapiens

<400> 642
cttgtctttg agttttatta ggaaggggag tccgtcgtgg tgtgagacgt tagaccggaa 60
ggctgggctt gctaaataaa atccgcggtc tggcacctct ggagagggca gaggctcctc 120
agaagagctg gcctgaggaa gaagcccttt gccccctccc cttctataag ttagtgtcat 180
ttggctctgg gaacgctggg gcc 203

<210> 643
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 643
ttaacagntn ncagcaactt ttatagaaaa ggtggttggc tctgaaaaga cnttntgggt 60
tttggttagc acacattcac aagacaattt acgccctctc cccacgaatg cggcganaag 120
ctggatgtcc ttgggcatga tagtcactcg cttggcgtga atggcgcata ggttgggtgc 180
ctcaaacagc cccaccaggt aggcctcgca ggctnnctgc agcgccatca ccgccgagct 240
ctgaaaacgc agatcagtct tgaagtcttg cgcgatctca cggactagac gctggaatgg 300
cagtttgcca atcagcagct cggctcgactt tctgggtagc ggcggatctc gcgcagagcc 360
accgtgccgg gccgggttaac gtgggggctt cttcacgcct t 401

<210> 644
 <211> 408
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 644
 gcaacattta ttgaaactta tattagtcaa gcaacttaat gctaggctaa gctgcagtga 60
 gtaataatcc ctaacctcag tgacagtgc gaaaaagaag ggtttcatat ctggagtgtg 120
 atgcagggtca atgggagttt ccttcacctg gtgactcagg tatccaggca cattcatttc 180
 tgcagggtctg ccttcttgac atgaggtcac tgcagaagga gagagggnt agagtcatgc 240
 cagttcttag ggtgctccct gacaaggaga tcctgcagca ctctgcttca cattcctgtt 300
 tttccagaac tcagcccagt acccccacca naacttccca aagagtcttg ggggaagcata 360
 ggaggagggt caccagatag gcctnggaga tcccctcatc actttttg 408

<210> 645
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 645
 aattattact ttttattaat ttagagcatt tgaagtataa aaataaaagg cttttgacat 60
 actgtatata catacatagc cttctgttgt acatcctttc caacgtgttt tttaaaattt 120
 atattttcagt ccaatattca ataaaagggt cattaataaac aaaacaaaat tgtgaaaaaa 180
 aagaaataag aatgtgtctc tgttgacaaa ctgcattcta tccttgacagg taatattcct 240
 acatccaatg agagcgctgc ctgcatagag gtcatgaaat tgaaccttta acctctccat 300
 gtggatcaga tagaaaagga tttctgaaga gtgcatttgc cagtttaaaa gcaacact 358

<210> 646
 <211> 447
 <212> DNA
 <213> Homo sapiens

<400> 646
 tttattacat ttaattttta ataattagta atatgtaata attcatgctt agaatatcat 60
 tggccagggt ggaaacagac ccagggtgcac tgctggattg ctgagttcga gaataagcac 120
 caggctccca tcccgggtgga gtccttgctg ctggatgtgg gtcttgctgg tcaaatgaat 180
 ggagacccgg agcacaggca gccgaggatt gggcagtcac cgggatggcg gctcatctgc 240
 aaatagccag tgcacacctc caggcaacag gatgacgagt ctctgcagtg tgccctgaga 300
 ccctgcagct aagtcctgag atggaaaagc caagcttgca ggctcttcca tggaccactg 360
 aaatagaaag tctggggata agggcccaga ggtcttcatt ttttcggaaa cactccagca 420
 gatttttatg cagttccatt ctggatg 447

<210> 647
 <211> 438
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 647
 aaggataatg aaaagaaaca tttatttaca ctttgtacat atcgattcca acaaacaata 60
 aaaggcctac acatcagtgt aatcataata tatgcgaact tccgatcttc tcacactttg 120
 cagtgatctg atgctttcac tcctggttct gatatttgat tttttgaaca gccttcttga 180
 aaatgaccta cacatgaaaa agtaaattat tggatccagg caaacattac acgcagacaa 240

gaaaagtgtg	atttctttgc	agtaatatag	gattttttgt	gcagattcat	ctaaaagcct	300
gtcctaagtg	actaaaagta	aaaggaattc	tgcacaagtg	atacggtaga	aagcaggtaa	360
aaaacacagc	cacaacaacc	ctgatgctct	ggttatgttt	tcgctttcgg	cttgactgac	420
ttatgaattg	cctgcngg					438

<210> 648
 <211> 410
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 648	ttgagtgaat	gaatgaaaat	tattttatatt	ttatttgagc	tttggttctg	ccatttgcta	60
	gcagtgtgac	tcaagagaag	ccagtaaccc	ccctgagctt	ccctagttca	caaaatgctt	120
	gtcatgaagt	cgacagcttc	cggagctgcg	aggctcnaag	aaatgcccac	atgaatgtgc	180
	gcttagggcg	tgagtgtctca	ctccagaaaa	ctccaacaca	gtgaaaatgg	cagaagcggg	240
	gtttttcttt	tttacatttt	tataagaata	tataaaaaat	gatataaatg	gacatttacg	300
	gtagtggggg	aaggcatata	tctacgttaa	aaggcaggac	atttttaaaa	gctctatttt	360
	ctaatgaaa	actacgaaag	cgggggtgggt	tgtggcgggg	gcagttgtgg		410

<210> 649
 <211> 459
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 649	ggctgctgct	ccttgctggc	gggctgcccc	tgcgcgctcc	tgaccctctg	cagtctctcc	60
	aggtgcagcg	tcctcagatc	aggctggtct	gggccacgct	gctccctggg	aggctgctct	120
	gtctgcgcag	gggtaggggg	cactggctgg	agaggggctg	ggcaccgggc	cctgctgggg	180
	gtcccagggc	tgctcggggt	cgcgggggccc	tcttgctcac	agtgatgaac	ctcctcttcc	240
	cttccccgga	actgtcgtgc	ctcagcccgt	gctcctcggc	tatttggtgg	accgcagacc	300
	tgctcgtggga	attgagggaa	ggaggaaaact	ccaacttgca	tcttcttgct	ggccatgaac	360
	ttccactatc	atgggcccgg	aagtgggtcca	cgccaatctt	ggctctccac	ttcctctggg	420
	gcttgctctcc	gttgaagctt	ggggtgaga	tggancttc			459

<210> 650
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 650	cttggctggt	tctttgttct	gtcccccatg	ctctgatgca	gtgccctctt	cattttcatc	60
	ttcaccatcc	tctcgaagaa	ccatgtctag	gatgtttcct	ttgatcttga	agtctcgtga	120
	ggtgctgagc	ttcatgtgct	gcacaggtt	caccttgagc	ttcttagaaa	ggtggatgag	180
	aaatttttca	tactgttcta	tggcaaagat	gaggttaggg	attggcttgg	tttcccgaag	240
	aactctggcc	atggctgtgg	caacggcagc	aggtttctcc	tttttctctc	ccgtatagtt	300
	caggctctta	ctcttattct	gtacgtaaga	aatgaaag			338

<210> 651
 <211> 478
 <212> DNA
 <213> Homo sapiens

<400> 651
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 cttcttcaac tttttgaaag agatcatgaa ccaaactttt aaagtttggt tcttcttggtg 120
 taagtttttg aagttctttt tctttctcct ttaattcttg ttcagtttga gggagttttc 180
 cttctatatc tctgattgca gctttccttt ctttgagagt ctcagaagct gcaattagag 240
 cttccttagc cttagttaat tgagacactg cagtattatg acgactgaga tagatatcaa 300
 gttctgactg ggctacatcc atctttgaac gtgcttcatt taccgatttg ctgaaaccca 360
 taagttcttt ctctcgactc tgttaaaata tgagttcatt aaatctggac agatatttac 420
 tttcaaacct aactgaaat gaaaccatac attttatatt cgatttaaga aaggagat 478

<210> 652
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 652
 gaattttcaa ttagttaatt tcataagcta cagcagaggc gtggaccctg ccctctccac 60
 acttgaagag ataagcccct gggatccaag tcccagcaag gttggtgccca cccatcttggt 120
 tgaaagatgc tgttggttct gtggaaacca tcaccagagg taggaagggc tttgagccca 180
 aaaggaaaca agagggcgtg aatccaggcc atcctcaggg gaggggtggga gcccatccca 240
 ggcagagagg cctaagcctc agtgtggggc aaggctcaaa ggtgctggca caaggcttcc 300
 cagggggaga atcagaaact cagcagtga agtccgcaga agggggaaga agcaggctga 360
 t 361

<210> 653
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 653
 agagattttc agaaataatt ttattttacag aaaattcaca gaggattaat aaaatgtcat 60
 gaatacaatt ttgttggtaa taattagcag aatcaagagt agattaatat ataaggtaac 120
 atgatataat aataatacaa actaaaatat caattttatg ctagctttat ccattagttt 180
 ttcataattcc aatttttaaac aaatctagaa ataagacagt atatatgaaa caaatttgct 240
 aaatattttt aaattatgcc acctcagata ttacctcaat tttaaaacca tctgtaaatt 300
 aaatgacctt cccattataa tttctaaata taaagaagca ccagctggaa ctcaaaatgc 360
 ataaaagata ttgttatata ttttaagaaa atattatatt agcaatatc 409

<210> 654
 <211> 589
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 654
 attcagatga tctttttattt gaggggaaaa tgtatgaccg tcaactacaag aagctaataca 60
 ttttcattta aatggatgat ttaaaactaa gaagttttca agaatttcag actacaataa 120
 aaaaattcag atttaaatcc tgctttccat agcttcaatc cttaaaccaag agagtttcag 180
 gaattttaga taaagcaaag ataaattaaa ataaaccgtt acaacaacct agccatataa 240
 aaaggcagtg accagataga aagagaagcc tttccgtgga tattttctcc accaattgca 300
 tacggtaaatt tttcctaagg taattacttt ttgcaaaacc aatccaaatg aagacaggag 360
 ggaaattctc gccttaagct tccccatatt gagtttaggg ccattgatttc caaattgtgt 420
 aacaaaggag cttcttctga ggggtgatcg gaccaacagg ggccatgaga atcattcaag 480
 gacaaagcca cttgcttcca aagagctgcn accatgatag cctggtttct ggattccaac 540

cgaggattgg caatgtatgc agtaattttt aaaacctgga aaacatttc

589

<210> 655
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 655
catttttaaaa aaaggaaaaa gttttattac gaaactagtt tgtataaaac aggggttatac 60
atatttttgt aagtttgtaa taaaacagta agaaaaaaa ggcagtaata gaaatctcca 120
aaaggcaacc tatcaaaacc aactggctgc cactttgagt ttngncagta gctgcataaa 180
ctttgttctt cttgaacagt atttaataac atcattaata cattancaac atttctataa 240
agtaagacac attggtgctg aagtacaact ggtggcctct tgatctcacc tatgaggaga 300
gttctttaca aaaccacata gggaaaattg cagttgtaag g 341

<210> 656
<211> 226
<212> DNA
<213> Homo sapiens

<400> 656
caagacatgg gaccctgaag tgctttatta tcaggactta ttggaagggg ttcccagttg 60
cttccaggca ggtgagttga tttgggggtc cagttcttca aatctgtgag gctttttctt 120
tctaattgtct gagtcccctg aggagaaaaa aatcaaattg gagcccacaa gttcaggtct 180
ttcttgtaaa tcaggcagtt tttagtagac ttcccaatag gcttcc 226

<210> 657
<211> 183
<212> DNA
<213> Homo sapiens

<400> 657
aaaaactaaa ccgcctgggg ctgatcgctc cagagcccgg cagttaggac catgcgggaa 60
gtgtcctggg gcatatagtc atactgatga ggtgaaagat acacctcgga accaagggcc 120
accctctact ttttaaggaca atggcgccgg gaccaagaaa ctacacttcc cagaaaaccg 180
tgc 183

<210> 658
<211> 371
<212> DNA
<213> Homo sapiens

<400> 658
tttttttttt cagtgtttta aacaaatgta gactttattt tgtactgtac aaagtgtctaa 60
tgtcagtaga tccattaaaa tatagaatat ttaagaaaga tcattaataa aagtaatggt 120
cattcaattt aatgttacag tttacagcgt tttactgcta gtgttttaag tcagcatgag 180
cagtatcaaa gtacttatgt agctagtttc taaaacttta cagaaaaccc agtacaattc 240
caagtgttta tagccaatat aagcatattt catattagaa atagttatcc atatgttaac 300
aagaaactat ggtcctcaaa tatgccaatt ttagagtcta ataactactg atagtaacta 360
tgtaaatatt t 371

<210> 659
<211> 335
<212> DNA
<213> Homo sapiens

<400> 659
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tttacaacaa ggggcagagt agagacatga atagctgcac aagttatttt aattataaat 120

taataaaagc	ctacattaaa	ttcatcttat	taactactta	tgagagtgtg	taaaaactga	180
tgaagccaac	attatcttgg	acttctgata	cttccattcg	cttcaacttt	tctttcttaa	240
tagaaaaatt	aacagatggc	aagccattta	caaaaagaca	tgtaattttg	ttaatcaggt	300
tgacattttg	aacatcttcc	tcttcagttc	agctg			335

<210> 660
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 660	cttcccaaac	aaaaatagat	gggtcactcc	ctagaagatc	tctggcaggt	tcagtctgag	60
	atctctggga	gtcaggagcg	ctgctctcat	ccccaatcag	ggcctcatag	aaagctcggg	120
	ctgcagccgc	atccaggggtg	gactctggct	tctcgggctg	tggtctgtgc	tgcccatcct	180
	tccagaggtc	gctgggggtca	gtggctgggg	tgaagggtgat	gagcaagggc	cgggacatgg	240
	cttttgggag	aactgagaaa	atgataccag	gcaaggggaag	gatgagacaa	gtaagccaag	300
	ctcgtggtga	ccctgtagca	accacagcct	cagagaccag	taggaaaaaa	aatcagcct	360
	ggccctttta	gtcttccgcg	atcccatttc	ggagtttcct	cttcccaaac	aaaaatagat	420
	gggtcactcc	ctagaagatc	tcggggagag	tctctatacg	tggt		464

<210> 661
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 661	tttttaaaata	catgccaaag	cgtttattta	actcattaat	taatgaggga	attggtagat	60
	attacaatga	attcaaaagc	aaattgggag	tgtcacacat	ttttagtcaa	atatggaatg	120
	ctgaaatgaa	tttacaaaag	gatacaaagg	tggtcactat	ctgctggaaa	aaaaatcagt	180
	ttcattccat	tagatccaat	ttgcatttcc	atggataata	attatcttga	ttcctatcag	240
	ttttctataa	cttcattttct	atcgtatggg	gttgtaaaat	aacctagtca	aagatacgga	300
	gagagctggg	cacagtgatg	tcctcctgta	gccccagcta	ctcaggaggc	taaagcagga	360
	aaactgcttg	agcccaggag	ttcaagacca	gcccaggcaa	aagagcaaga	ctgccatctt	420
	aaaag						425

<210> 662
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 662	ttttttctta	agacacattt	attatctcac	agtttctgta	gaccaggagt	ctacgcacag	60
	tttatctggt	ttctttgctc	agggctctcac	aaaactgcta	tcaagggtta	agtcaggctg	120
	tcttctcatc	tggaggccac	ctctcagggt	gttggcagaa	ttcatttcct	tgtggttggtg	180
	tgactgaggg	ccctggcttc	ttactgggtg	tcagctgcag	gctgcgctca	agttctagaa	240
	gccgtctgca	gttcc					255

<210> 663
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 663	tttacaaaaa	tattttcatt	taataaacgt	ctttgcatgt	cacatttaat	gggaaacaaa	60
	atatcatggt	aatagcctag	taatacaatt	ttattaaagt	cagtataagt	tgaaaagtgtt	120
	atcagtgtta	ataagaatga	aaaatatgta	caatatgcaa	ttactattaa	atacaatttg	180
	cccatagttg	cacattgaat	tcattatcac	ggcagttaaa	tatcagagct	tctggtttct	240
	cactcttcat	tcatgtattc	agcaaccatg	tgctaaggta	ctaggacaag	cactggaatt	300

accagataaa gatgatatgg tccacccctc aacaactggt tgctataa

348

<210> 664
<211> 446
<212> DNA
<213> Homo sapiens

<400> 664
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aacacacaca cacacacaca cacacacaca cacacacacg gattccccat caaggggaca 120
tttgcagttt ccaaaccttg aagatactga agggaccaga aagttccttt gagtggctgg 180
tcacccaaag ctcccgggcc tccacccact gccctttgga gggactcaaa ccttgggagg 240
agaaggctga gcttcctgtg ggccctccc acccacacct gagccagaga gaagactgca 300
gcaaagacat ccaaagccaa cgcaatggga agcgtccgag atggcagagg agccagccct 360
gtccttggct caccagctt ccaccataca ggaaccaag accccagcct tgcttcaca 420
gagaactggc aggggtcccc tggcct 446

<210> 665
<211> 415
<212> DNA
<213> Homo sapiens

<400> 665
acagaaaacg aaggcgacta ttttattaga aaacaaaggc tatatgttaa tccatcacca 60
gatacgacaa tgcttaccaa agaactgtaa aaaattgggtc taaaaacaga aaaaagcaca 120
acgacagacg catggtatag cacacctcta ggaagcctgc agccctcact ggaaataaac 180
acataccacac acacacatat gtacaggttt cataagcaaa gatgtctaaa acagattgta 240
agagaaagat aaacactcct acatgtatat gtgtgcacat tttccttaaa aacacataac 300
atgcttttcc ttcattttac tcagctctga gaaattcccg atacaaaact attccatgcc 360
tcatactaca gataggatat cataaagcaa aagtctacat tttcctagga gctgt 415

<210> 666
<211> 410
<212> DNA
<213> Homo sapiens

<400> 666
agattttgct acacctttta ttatttttaa tatagatcaa tgaattacat caaaactaca 60
agcaacaatt agtataaata atactttaat cagtggcagc aaaacattgg tcaattctat 120
taaaaaagca tctcgtgtga acagacatca tgggctgact gacagtgtca tctcccaaca 180
aaaggctgcg atggacaaag tgagatggga gtcagaggag caatgtcctc agcaaacact 240
tcaactctccc cctccccag tcaggacccc aacacggttt ttgtttttgt ttttaaaaca 300
ccaacacaaa cacttctggc tcatatttaa aggaacaaac tggaacaaa taatagcaaa 360
tgggcattgg agctttttcca cacctagctt tctccaaagc acgttctcag 410

<210> 667
<211> 526
<212> DNA
<213> Homo sapiens

<400> 667
ttttttttta catggaaata ttccatggga tttattttta acaaacattt acataaacia 60
taaataaaaa aaaaacaggt ttaaagttag cagattcata tttacagtgt gatttttaag 120
gactgtctat atccaaattt tattttcgtg aacgcttaca ttctaagagc agtacaatta 180
gcctattacg tagggcccta atcttgtag tatagtgttg ttgaaatact ttcttcagct 240
tttgccttaa caaatccaaa gatggaagat gatgacaatc tggaatatc aacataacat 300
gaaaaaattc attccacata tccaaatgag gaagccttct aaaaagacct tcaggcttac 360
actctctccc ttcatttttc actttcatgt aagtgccaaa gagcatgcaa tatactgttg 420

cagcaacccc aaagtaatcg atctggtagt tccatggttt gttgctgagc atctcaacac 480
actgaaaacc agatgtttca cactttgctg tgaatatagt tccttt 526

<210> 668
<211> 454
<212> DNA
<213> Homo sapiens

<400> 668
tttttttttg gtattataaa gacattttatt taatctatga aaataatgta caataaatac 60
tttccccttt tcctattatt aaagaatttt aataaataat ctacagtcta aaacataaaa 120
aagaggaaaa taggtccctc tagttatttt taagaaagtc cccctagagt ttaattattc 180
ctgagatttc attggaagga gtctaccaa cgggaatttt ctgtgtgaat tttaaaagat 240
aaccgagtgc ccaatatttt agaagaagaa gaaagggagt ggattaaacg ctaattcagt 300
aatacctgaa ttttagcaaa acacataagt ctatgcgact gaggggtggga gaggctcgat 360
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<210> 669
<211> 361
<212> DNA
<213> Homo sapiens

<400> 669
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acaacattat gacagcacta aggtattacg tatccaatac aaggatactt aatagaccaa 180
agaatttaaa atcccaggga actggaataa ccagccacaa aagaggcctc tctttgttgt 240
ggttcacaac acaaaaggcc atcaacaaat taggaaatat taaaattaag agagcagcag 300
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<210> 670
<211> 381
<212> DNA
<213> Homo sapiens

<400> 670
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ttggtgcagc acgttgcttt g 381

<210> 671
<211> 395
<212> DNA
<213> Homo sapiens

<400> 671
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tctgtaacca gagtctgaag tatccaagga gctactcttt ttgaggcata ttctcctcag 240
cttccagtta tcatttgata aacacatcag caaaagggtc agtgttttaa acaaatgtag 300
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395

<210> 672
<211> 436
<212> DNA
<213> Homo sapiens

<400> 672
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ttacatcatc tcagagaaac tagggcatta ttccactaga agagcaatct tgccacagtg 360
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cagcctcttt aaaact 436

<210> 673
<211> 510
<212> DNA
<213> Homo sapiens

<400> 673
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ctcaggggct gcgggctgcc gggggccagg 510

<210> 674
<211> 312
<212> DNA
<213> Homo sapiens

<400> 674
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aggattggca actcgttttg gaggccacac ggtgctgatg gcagagaacc agaggggctg 180
cagacgaacc ccaccttttt acaacaaaag gcttttaaat taaacaaatc tatcgagctg 240
aagacacagg acgggggttct cacaggctcg aacaatgctg gtttcatgaa atgcaaccga 300
aggctgaacc aa 312

<210> 675
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 675
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gcctaggtgg ggaggacgag gccataaata ctgcaggagg gcggcaaggg agcccyaggg 180

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<210> 676
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 676						
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tgthttatth	cccgtthtta	thttgtthtt	gaaatcttht	tccttgggtg	atthgtacgt	180
gtcttacta	gatgcctcaa	attaagtctg	accacaattc	tactctactt	tctacagtgg	240
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<210> 677
 <211> 408
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 677						
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caactaatat	catatthttgt	thttgcataa	aacatgcatt	aatatgthtg	ccaaaatcag	180
tctctacaag	aagagacagt	ccaatacagt	caataagaca	nctagthtg	ancaacaggt	240
aaaacaagag	gthttccagtt	aatgtgaaag	angggantag	gtacctthca	taaaacaagg	300
cccttcaggc	gnctgaggtt	aactgancgg	gtactatthgt	gnctggcacg	gtaatgtaac	360
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<210> 678
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 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 678						
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<210> 679
 <211> 455
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

09954456-094004

<400> 679
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 aagatcttat tcttggggag ctacagggtc tggcgtttgg ggctctttca ggttctatct 240
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<210> 680
 <211> 596
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

<400> 680
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 ggcacatata cagtatataa atgggtcatgg cttctgcttc acttgataat caccaagtta 300
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<210> 681
 <211> 349
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 681
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 ccgcgtcct cgcgccccag gagccttgct cnttgctgtt gaagaccacc tccgacgtgt 300
 ccagccgggg gttgaaatgc agggcggcat cggaaccctg gtcctcccc 349

<210> 682
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 682
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 aaatacgaca gtaactagaa gattacttga gaaactgtta attgaatgag acagtctgga 180

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gcagtgtagc	atagtgggta	ggagtgcaga	ctgtggatcc	agacatccta	agttgaaatc	360
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<210> 683
 <211> 425
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

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	gcggcaggcg	gtggcggaag	tggtggtact	gggcgtcccc	aaccacggcc	ttgaagccgt	180
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	cgcgctcctc	gcgccccaa	gagccttgct	ctntgctggt	gaagaccacc	tccgacgtgt	300
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	gcaac						425

<210> 684
 <211> 406
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 684	tnnacagattt	ngcagcactt	ttaatacaca	aagcaaaagg	taataggctg	gatgggtnac	60
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	agtttgnagg	gccttagggg	cgagagcaga	aacactctcc	ttttggcagc	catggaagcn	180
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	atgagcaaca	gctccgagtt	gtcaatctcc	agcagcatgc	ccgtggatct	tgccagccag	360
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<210> 685
 <211> 2493
 <212> DNA
 <213> Homo sapiens

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<210> 686
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 <212> DNA
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<400> 686						
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 <212> DNA
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 <211> 2187
 <212> DNA
 <213> Homo sapiens

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 <211> 1438
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <211> 2218
 <212> DNA
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<212> DNA
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Figure 1. The structure of the *h* gene. The *h* gene is located on the human chromosome 12p13. The gene structure is shown with exons as boxes and introns as lines. The *h* gene is transcribed from the 5' end to the 3' end. The *h* gene is expressed in the heart, brain, and skeletal muscle. The *h* gene is a member of the *h* gene family. The *h* gene family consists of *h*1, *h*2, *h*3, *h*4, *h*5, *h*6, *h*7, *h*8, *h*9, *h*10, *h*11, *h*12, *h*13, *h*14, *h*15, *h*16, *h*17, *h*18, *h*19, *h*20, *h*21, *h*22, *h*23, *h*24, *h*25, *h*26, *h*27, *h*28, *h*29, *h*30, *h*31, *h*32, *h*33, *h*34, *h*35, *h*36, *h*37, *h*38, *h*39, *h*40, *h*41, *h*42, *h*43, *h*44, *h*45, *h*46, *h*47, *h*48, *h*49, *h*50, *h*51, *h*52, *h*53, *h*54, *h*55, *h*56, *h*57, *h*58, *h*59, *h*60, *h*61, *h*62, *h*63, *h*64, *h*65, *h*66, *h*67, *h*68, *h*69, *h*70, *h*71, *h*72, *h*73, *h*74, *h*75, *h*76, *h*77, *h*78, *h*79, *h*80, *h*81, *h*82, *h*83, *h*84, *h*85, *h*86, *h*87, *h*88, *h*89, *h*90, *h*91, *h*92, *h*93, *h*94, *h*95, *h*96, *h*97, *h*98, *h*99, *h*100, *h*101, *h*102, *h*103, *h*104, *h*105, *h*106, *h*107, *h*108, *h*109, *h*110, *h*111, *h*112, *h*113, *h*114, *h*115, *h*116, *h*117, *h*118, *h*119, *h*120, *h*121, *h*122, *h*123, *h*124, *h*125, *h*126, *h*127, *h*128, *h*129, *h*130, *h*131, *h*132, *h*133, *h*134, *h*135, *h*136, *h*137, *h*138, *h*139, *h*140, *h*141, *h*142, *h*143, *h*144, *h*145, *h*146, *h*147, *h*148, *h*149, *h*150, *h*151, *h*152, *h*153, *h*154, *h*155, *h*156, *h*157, *h*158, *h*159, *h*160, *h*161, *h*162, *h*163, *h*164, *h*165, *h*166, *h*167, *h*168, *h*169, *h*170, *h*171, *h*172, *h*173, *h*174, *h*175, *h*176, *h*177, *h*178, *h*179, *h*180, *h*181, *h*182, *h*183, *h*184, *h*185, *h*186, *h*187, *h*188, *h*189, *h*190, *h*191, *h*192, *h*193, *h*194, *h*195, *h*196, *h*197, *h*198, *h*199, *h*200, *h*201, *h*202, *h*203, *h*204, *h*205, *h*206, *h*207, *h*208, *h*209, *h*210, *h*211, *h*212, *h*213, *h*214, *h*215, *h*216, *h*217, *h*218, *h*219, *h*220, *h*221, *h*222, *h*223, *h*224, *h*225, *h*226, *h*227, *h*228, *h*229, *h*230, *h*231, *h*232, *h*233, *h*234, *h*235, *h*236, *h*237, *h*238, *h*239, *h*240, *h*241, *h*242, *h*243, *h*244, *h*245, *h*246, *h*247, *h*248, *h*249, *h*250, *h*251, *h*252, *h*253, *h*254, *h*255, *h*256, *h*257, *h*258, *h*259, *h*260, *h*261, *h*262, *h*263, *h*264, *h*265, *h*266, *h*267, *h*268, *h*269, *h*270, *h*271, *h*272, *h*273, *h*274, *h*275, *h*276, *h*277, *h*278, *h*279, *h*280, *h*281, *h*282, *h*283, *h*284, *h*285, *h*286, *h*287, *h*288, *h*289, *h*290, *h*291, *h*292, *h*293, *h*294, *h*295, *h*296, *h*297, *h*298, *h*299, *h*300, *h*301, *h*302, *h*303, *h*304, *h*305, *h*306, *h*307, *h*308, *h*309, *h*310, *h*311, *h*312, *h*313, *h*314, *h*315, *h*316, *h*317, *h*318, *h*319, *h*320, *h*321, *h*322, *h*323, *h*324, *h*325, *h*326, *h*327, *h*328, *h*329, *h*330, *h*331, *h*332, *h*333, *h*334, *h*335, *h*336, *h*337, *h*338, *h*339, *h*340, *h*341, *h*342, *h*343, *h*344, *h*345, *h*346, *h*347, *h*348, *h*349, *h*350, *h*351, *h*352, *h*353, *h*354, *h*355, *h*356, *h*357, *h*358, *h*359, *h*360, *h*361, *h*362, *h*363, *h*364, *h*365, *h*366, *h*367, *h*368, *h*369, *h*

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 <211> 850
 <212> DNA
 <213> Homo sapiens

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 <211> 141
 <212> DNA
 <213> Homo sapiens

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 <211> 1539
 <212> DNA
 <213> Homo sapiens

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<210> 755
 <211> 409
 <212> DNA
 <213> Homo sapiens

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<210> 756
 <211> 449
 <212> DNA
 <213> Homo sapiens

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<210> 757
 <211> 214
 <212> DNA

<213> Homo sapiens

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<210> 758
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 758
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<210> 759
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 759
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 acccaagacg aggctggact tgccgccaa gggatttctt ctggatggca ctggggcccg 180
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 ctggcaagtc tgtgtccaca ttttcatgaa taccac 277

<210> 760
 <211> 1157
 <212> DNA
 <213> Homo sapiens

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<210> 761
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

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<210> 763
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 763						
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 <212> DNA
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acaattcgca	cagtcatgag	cttcttgccg	ttgttacgac	catgcatcat	catggagtta	420
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a						541

<210> 765
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 765						60
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ttctagcagt	gggtaagtcc	atagagtaaa	tttcaagtag	gatataattta	ttttctttgg	180
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agttttggag	aatccaaaa	tgagaaaaac	agaaagcatg	tagcattcca	tgaagcaaga	300
acagcgtgca	tatgctattc	ctggaaatac	tgaagtgtcc	gaatttcattg	cctaaaaaagt	360
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<210> 766
 <211> 469
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 766						60
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gtaaggggaag	agattaatga	gatacaattc	attaagtata	aaaatatggt	gtttcaaatt	180
cagaataatt	taataactct	tcgttatctt	atatgtatct	ggaaatggga	cagatacgtg	240
tcctgatcct	gtcacaagag	gtagaattcc	agcatttggt	acgacgttcc	aagacagggg	300
caaagtgaca	ttcctgtttc	ccttgagacc	atttccatcg	tcaaagaaaa	aatattttgt	360
tttcatatct	ttcagcagca	gcttcggatt	atcacctctc	aaaacaatct	tgtcccatag	420
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<211> 381
<212> DNA
<213> Homo sapiens

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tttctcttcc ccaccgcaa gcctgaagct gttcaggagt catactcatt atgtgacctg 360
gagtaggggt agcatgttca t 381

<210> 768
<211> 318
<212> DNA
<213> Homo sapiens

<400> 768
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ggtctaagaa gcatgcaagt attacaaagc attccagata cagtatgaca gaggaacagt 240
gaacaagcat tggaacgatg ctctttcttt cagaaacggg aagtctaaca gttatgtttt 300
cacaatggta gtgattaa 318

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<211> 207
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<220>
<221> misc feature
<223> n=a,t,g or c

<400> 769
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ggagaaacaa atgacaacaa aacagattct ttggaaccga gangggaagg ggaacgggga 180
ggggagtttc ttccttcctt cagcttt 207

<210> 770
<211> 239
<212> DNA
<213> Homo sapiens

<400> 770
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agcttggcca agtctgttat gttcacctga aaaagtctta gcagagaatt tttgcattcc 180
cacccaaaag ccctctcagc cactcaaagt cctatcttct ccagtctaca agttacatg 239

<210> 771
<211> 1244
<212> DNA
<213> Homo sapiens

<400> 771
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ctctcctgca gggccagtca gagtgttggc agctacttag cctggtacca acagaaacct 180

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<210> 772
<211> 450
<212> DNA
<213> Homo sapiens
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<400>	772						60
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<211> 280
<212> DNA
<213> Homo sapiens
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[illegible]

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<211> 154
<212> DNA
<213> Homo sapiens
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<210> 775
 <211> 524
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 775	tcata	gacca	acattcttta	atcaca	aaagg	cacttgagga	cccctacaaa	cccaaagtct	60
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<210> 776
 <211> 425
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 776	ccaggn	cctc	tttttattta	cagn	gatacc	aaaccatcca	cttgcaaatt	ctttgg	nctc	60
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<210> 777
 <211> 451
 <212> DNA
 <213> Homo sapiens

<400> 777	tttttc	gtta	aagg	tattttt	tattgctagt	acaagattgc	aggatctagg	caaataatat	60
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	caatgat	gtg	aaaacaag	ca	tagggtagag	tccatgat	attcatacag	gaagaatgtc	300
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<210> 778
 <211> 126
 <212> DNA
 <213> Homo sapiens

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catagc 126

<210> 779
<211> 147
<212> DNA
<213> Homo sapiens

<400> 779
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aactgaaaaa atatgaaacc aaaagta 147

<210> 780
<211> 269
<212> DNA
<213> Homo sapiens

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<210> 781
<211> 1799
<212> DNA
<213> Homo sapiens

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<210> 782
 <211> 6728
 <212> DNA
 <213> Homo sapiens

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<211> 272
<212> DNA
<213> Homo sapiens

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<211> 915
<212> DNA
<213> Homo sapiens

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<211> 1599
<212> DNA
<213> Homo sapiens

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 <211> 402
 <212> DNA
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 <211> 1201
 <212> DNA
 <213> Homo sapiens

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 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 792
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<210> 793
 <211> 370
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 793
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 <211> 313
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<220>
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 <223> n=a,t,g or c

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 <211> 445
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<400> 795

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 <212> DNA
 <213> Homo sapiens

<400> 796
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<210> 797
 <211> 374
 <212> DNA
 <213> Homo sapiens

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<210> 799
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 799
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<210> 800
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 <212> DNA
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<400> 800
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<210> 801
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<220>
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 <223> n=a,t,g or c

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<210> 802
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 <212> DNA
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<400> 802
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 <213> Homo sapiens

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 atacaaccaa aattcaattc aatgcaaagt tgaatgacat catattgcac caaaatttat 180
 tccatacaaa agcacatgca tcaagagttt ccataagatg aaaacaaaca cacttacttc 240
 atagcatctt accacttact tacacaaata gcccataaac accatctggc attgtgattg 300
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<210> 806
 <211> 382
 <212> DNA
 <213> Homo sapiens

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 <211> 337
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 <211> 159
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 <213> Homo sapiens

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 ctaaccgtgc aacgggtgag atgtgactca taatagata 159

<210> 809
 <211> 620
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<220>
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 <223> n=a,t,g or c

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

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<211> 448
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

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<210> 813
 <211> 567
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

<400> 813
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<210> 814
 <211> 423
 <212> DNA
 <213> Homo sapiens

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<210> 815
 <211> 440
 <212> DNA
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<400> 815

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<210> 816
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 <212> DNA
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<210> 817
 <211> 586
 <212> DNA
 <213> Homo sapiens

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<212> DNA
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<212> DNA
<213> Homo sapiens

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<210> 821
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<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<212> DNA
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<212> DNA
<213> Homo sapiens

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 <212> DNA
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1071

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<212> DNA
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aaataaaata aatccctctt tgtttaaaaa aaaaaaaaaa aa 222

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<211> 319
<212> DNA
<213> Homo sapiens

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<211> 1899
<212> DNA
<213> Homo sapiens

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 <212> DNA
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 <223> n=a,t,g or c

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ggaaaccgga	gagtgcctg	aaagaagtgg	tgaccgcgag	ccgcttatgt	ggaaccaccg	180
cgtcctgacc	ttggaggtgc	gagtctggga	aaggcgcgct	cccgggggga	ngcgcnct	240
gggaaggcga	cccctgccct	cagtgtcttc	tgtctctgct	tccccctcgc	aatgtctctc	300
tctctgtccc	accccgcgag	aacactttac	aacgacgagg	agattcgttt	ccaaaccaga	360
ggagatcaat	tgtacttaca	aagattccca	tctattttaac	tttattaact	tctaccgtga	420
atgactctgc	aagccttgct	ggccaagt	caatatgtaa	ttataaatat	ataaatagat	480
aagagcctat	caatgtatct	tttgtacaat	atggtgtaaa	atgtagatca	taggatagct	540
gactttgaca	gtcacattta	ttaaagtaatt	cacttaaaga	tatatatttt	tccaacaagt	600
ttgcactttt	gaaataaacc	ttctttatat	gctaaaaaaa	aaaaaaagat	nggcggantt	660
tccttggggg	gtaattantt	gatgcgcggt	aangcgg			697

<210> 830
 <211> 468
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 830
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 ctttccctcc tccctcagct gcctcctggt tagagatgct aacaagaatt acgatgggtcc 120
 taagatactg gaggaagtaa aaaagttgaa ggccctacat attttagttc acgtttggca 180
 tttcttggtc tttaccctat ataaggcaag gagaaaaaga catgaaattt aaattacaga 240
 taaacacaag tgtattagtc cattttcaca ctgctatcaa gaattgccc agactggata 300
 atttataaag gaaagaggtt taatttgact cactgttcca catggctggg gaggcctcag 360
 gaaactttac aatcatggca gacagttgaa ganggaacca aggcattctt cacaaggtgg 420
 cnagggaagg gagaattgaa cnccagggaa gggactnatc caaacnt 468

<210> 831
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 831
 aaccaagct gtaaactatct ctaattatat ttaaaactgt agagtgcagt acattaacat 60
 ttaacaatca gacactaaat tggagtgacg ctaatagcat tgtgtttatt agaaattggg 120
 caccaagtcg tctttcacca gtgacaacag aaggaacaga aaacctccat ggccaccctt 180
 cccaccacg ctgctgtgtc aggaagagtc ttgtccaaat cccaccccc tgagaagatg 240
 aggattgctc tgtggaaaat acactcagca gaccagacac agctcagcgc ccacgtctgt 300
 tagccttagg cacttggggg aatggttttt tttcccagag aaagaaagcc acttttaaaa 360
 aagcagtaat caattaattc agaatgaggc aaggcttaac cttctattct 410

<210> 832
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 832
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 gaattaggat tccccctact tgaagtacaa gtttccaata aacagacaga cagaagcaaa 120
 accccaaatg agaaagaata cattggtaac ctaaatacata ggcatttgtg ggtatgttca 180
 tacaatctac ctatttcttt gtaatttact atagcactga tgacaaagca tagacataca 240
 atgagaaaga gcaaatcagc atatcagtg gactgtgcaa ccactacaaa gcttggcctt 300
 cttaaagtgt gccactttta cttacacaca cccacagagg catcagaaat ctccctggca 360
 aacacgattt gcctatagtt ttgtggcaat actggttaca tagaacaanaa acaactctca 420
 gacccatggg ttaataaata agagagaaaa gaagtaagaa accacttccc 470

<210> 833
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 833
 cctcaaaaact gctttattag gaatgtacca gggattgagt taggggagtt ggacagcccc 60
 ggctcctata ggagtcctac ttctctccag catcctgtgc catcctcttg acgtaatcgt 120
 tgtacattgt gtacacagca cctagcatga ttgcaccac tgcacaggcc tgcgctgcc 180
 ctgagggtgtg aatcaggtgt atggacatct tgggtggaacc acgagacctc agccggtaaa 240
 tctgtatgc tgctaccacc aagcagcctc ctaagcctat aggaccagt gagattcccc 300
 agtcttctc agagagcttct cagacacaca gtcttcatcg tcaggtgggt acccaccagc 360
 gtctgttagc agacataatc ctggacctgg atgtaagcag ctgagactcc tatgctgcag 420

cccgtccta

429

<210> 834
<211> 516
<212> DNA
<213> Homo sapiens

<400> 834
tttttttttt ttttttcagca aatgtttgtt gaatttttatt acttttttaaa caaattactg 60
agtaatcttc cttagtaatc atttctgtaa cttagataaa aatagaaatt tataagagtt 120
tttatttttg ttacttgtaa aagtatatct cctagagaaa atatcagcag tggtagagac 180
cagaaaaagt aagtgtgtgt gttctaaaca gtgattccaa ctcaatgtgt tcagagaaaa 240
cactttgacc ctgtctgtgt ttacagtccc tgctgactgt gtactgtcgt atcctcagcc 300
ttgttctatt tctttatttt agctttacag agattaggtc tcaagttatg agaatctcca 360
tggtcttcag gggctaaact tttctgccat tcttttgctc ttaccgggct cagaaggaca 420
tgtcaggtgg gaaacgtgtt tctctttcag agctgaagaa aggtgtctgag ctgcggaatc 480
agtagagaaa gccttgggtct cagtgactcc ttggct 516

<210> 835
<211> 445
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 835
tttttgtgag catgaattat ttcttgtttt attgctttct tgtttctttc ttgatgcaga 60
gtcaatgttt ttgagtaaca gtaataagat gcccaaaatc caacagtaaa cattcaaata 120
gtaagatctg atgcagaaca aagtcctcaa atgttaactc ctataagtta catctagcgg 180
aaccacgagg gataaaggct gaactcatca tcttggttta tgatggaaac cgctatcctc 240
tgaccagagg aacaggatgg aagtctcgaa tgccagccac ctgtttaggc actggtggca 300
gcactgtggg tctcctcgtg aaatgggccc gggagacttc acagtgagtc taagtatggc 360
aaatctctcc ttttacccca ggattaagag atnccccccg caactgagag aatcaaaaga 420
aactcctatg gaatagaaga cgtgg 445

<210> 836
<211> 408
<212> DNA
<213> Homo sapiens

<400> 836
tattttttaac tttattttta ttgttgacac tattacagat agaatgacca caaccatatt 60
aacaaaccaa aaacctgtgc acagaaacaa gatgaagaaa atatatcaag atgttaacca 120
cactcttttg atggtgaaaa catgggtgag tttctcttct acatttctgt aacttcaaag 180
tttctataat gaacacattt catatataat ggaaatatat gtagtaaagg tggactacca 240
aaacactaga atgatgacct ttcaaggaaa ccgaaacaaa ataaccataa tcccacaaca 300
accacacaac tatttcttgt ttttcatctt tcttcccatc ttgacattt atgcatactt 360
atcactaaca ccctaataat cacagactag tgcacagatc aagatgtt 408

<210> 837
<211> 399
<212> DNA
<213> Homo sapiens

<400> 837
tttttttttt tttttttttc cattttcata tcctatttta tttttgaagt cagtgtccag 60
aaagaaaccg acgattcact caatcaacat gtaagcgact gaggcacccc tacacaccag 120
gtttgcaggc tagggaccag agacacgatg gttaaacaag ccagagccct gtgatcctag 180

ggcttacaat	gctggcataa	gaaaatcctt	ctggactcac	tgtcccatg	cttgtgactg	240
tcatgtgcc	agtgcgctt	acacaatctc	atctttccct	caacttggg	atagggtttg	300
tatcattccc	attacagata	cggatgctga	ggttactgag	tggaagagga	aacctgaatt	360
ctgctgctgg	accccaaaac	tcatgtttta	ttacccaaa			399

<210> 838
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 838	ttttttatta	gtgtaataat	tttattaata	aaacgaaccc	ataggttcat	aacaagcata	60
	caaagtaatt	ttttttcctg	tgggttaa	tggtacattt	ttaataataa	aaataagaaa	120
	gctttcatag	ttaacttacc	aaaaacataa	cgttgccta	ttgtttctta	ctgtgcaaaa	180
	caaaaacaaa	gttttgccca	cagaaggatt	ttgtgcacca	aaacatgcac	attttcaatt	240
	tcaaaatttc	tgcatcaaaa	tgaaaattcc	aaggccacgt	ttttgttttt	tcaaactaaa	300
	gaagagcaag	aggggaatca	ccaagcaa	aacagcagct	acatttttaa	tcttcattcc	360
	caggtatttt	ctgtttcaat	gtagaattct	ccacattcat	aaaatgat	cttcaacct	419

<210> 839
 <211> 479
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 839	atcatcataa	aaaatattta	ttataaaaaa	ttatcacatt	tctctgtaca	tagcataaag	60
	acaaaaacac	aatgtataca	ttaataaatt	aagtggcct	gagtattcag	tatccatcta	120
	ctagaatcct	aaagctcttc	cccagatttc	acaaaggcca	atgtagatta	tttctatttt	180
	atcaaagtcc	atgtgcacag	ttggtgta	tgagatacta	acatttcttt	tttctagtgt	240
	tttaaagata	gttcacagta	tttgagttta	ttaattaatc	aactgattta	aatctttggt	300
	aaatacaagt	atctacatgt	aaaaatgttt	agctcaaatt	tcagtaaaaa	actggaaatg	360
	accaataacc	tactgccaac	tgttttggta	taatccagaa	atgcatgagc	cggactccca	420
	ccattaagaa	atggcactgt	cnaggacctc	ngatgataaa	actggaatcc	ncaaaaaat	479

<210> 840
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 840	ttttcatttt	tcttactttt	aatatctaag	ataaaaaaaa	aaacccaacc	acaaaaacaa	60
	cccatttgca	tgctggcgac	acgctggtct	cgggctccct	ttctggggct	gtcctcccag	120
	gcggtcccca	ggtcctcatc	cagggaagag	cccagcctcg	gccagaagcc	accgcgccct	180
	ccagttccgc	accgtgacaa	cctgggaccc	agcctttcag	aaaggccacc	aggaactggt	240
	tttaaagcat	agggctgcac	taggaggaag	ttttcccttg	aggctgagag	ttatttcttg	300
	tggagaaatt	tcattttatt	gcctagtccc	ttcagggaact	tattgacacc	gctgtgctct	360
	ccactgggga	gtgtttccag	atactcttgg	ggctcggacc	tcaaaca		407

<210> 841
 <211> 577
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 841
 ttttcagctt ttcagaagtt ttattataaa gagatttgag agaagcactg ggcaccaaga 60
 cagacactcg ccagggccag gaaacagctg caaacgacgt caagaaccca aacccaaacg 120
 aaaccccaaa accacacaca cggtaggata agctgtaact tcattctcaa ggtttcttca 180
 taaatagaca aaagtcgtcg ccggcaattt aaaatagatg aatacatgat taaaaggaga 240
 gcagtgtctc ggggggtggct agcaagcgtc cggtccttgc tgtgaggatg acgaaacggt 300
 ttggcaagcc gcttttgtgc gcgctctcct taagataaaa cttaaaaatg tgctaaggat 360
 catataaaat gctttttacc cttaaaggaaa ctactttttt nccccacaaa atagtcttac 420
 agatggtctt tcagcacagg ttctaaaaca cgtaggtcaa ctacttacac ggaaccacaca 480
 ggtttctagg gttcgtaatc ttttggtcac actggaaaac cgatggtgca catctatgcc 540
 ggggggcggg ccctctggcc aatggcatct tggggggg 577

<210> 842
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 842
 ggaataatgt ttatttaaag ttacatttca gaggaaacta tcttcaggag ggcataaagc 60
 ctatattggc tactgcaaaa caaccagaag ttttataaaa tatttctgat tttaaattact 120
 aaggcactat agataggcac ctatattaca tacaatcttc aaacattttt aaaagttgaa 180
 actatgtatt agttgatatc taaaatatta aagcccctga caaactgaac ggctaagaac 240
 ttgacaaaat gagatgcctg tttcaatgat tctgttgcca gcatattaat taaaatacaa 300
 tttgagattc taaattacac gatccagcct tagtccaggg ac 342

<210> 843
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 843
 tactatctag agtctagagc tcacagtaca gagttttgtg aaatacgggtg cctatgagaa 60
 ttttcccatg gtacacagaa gccacagagg tgccctgaag cacagagcca ttgttggcat 120
 acacgggtgt caccctgggc ttctcagaca aaacattctg gatgcgaagt acttctgatc 180
 ctggagggtc ctcagggtta tagttcagta gcttcatagg attaggatgg catcctgcca 240
 aaatgtctcc tgtggcagga tcgacagtca ggttatccac taagggtgcc aactgtatca 300
 cttcagttg agttaaatcc cagttatcat gtttttccat tatgtgaatg gtcctaactg 360
 ctacatcagc tacatagac 379

<210> 844
 <211> 325
 <212> DNA
 <213> Homo sapiens

<400> 844
 acgtatagca aagtatatgt taaacaaatt taatgaccaa atgatagact ggtaaaaaat 60
 gtgcctatca ccaagggctg atacctttcc tgtggcccag gcctctgctc tttaaaaatg 120
 gggcaciaat acaggcaggt aagagacaga cagctctcat cctgcactct tggctttctg 180
 agaggatga cccaagggtc ctggagtcta gctgctgctt cctcctctgg gaaatagagg 240
 agtgatattg gtagtaccta gggcatagca ctgctgggac aattcagtga tttggggact 300
 gatctccata tcaagatgac ctgat 325

<210> 845
 <211> 351
 <212> DNA
 <213> Homo sapiens

aacattgcag gtattaagtg caatgagctc atgatgccgt tataaatatg aaacccatgt 300
atgacaataa attaaaaatg aaaaagacag gaccatttaa ttctgctgtc tggttatctc 360
cttgcaatgc ttcaaattat gttgtgctca ttca 394

<210> 854
<211> 394
<212> DNA
<213> Homo sapiens

<400> 854
tgtagaaatt aaaacacttt aatataaaca tttccagaat atagactgac cttatatcag 60
tactttttga gaccgtttta aaactatata tcatctaagt ttattataga ctgtttcatt 120
ttccactttc agaactagaa aatgcaaaaa tacactgcaa attagattta acaaagaaaa 180
aatcagttta agttattttca tacatatctc ttggagaaag ctgagacaca taaacacaga 240
aaaacaacaa taaaatacca ccaacactaa cacaaaacca aggaaagaac tgattttgta 300
acgcttggtta attctgtcct ttaaaataaa ttatctccca tgaataaata attcactatc 360
acagcaattt gatgagcaga agtagagaca actt 394

<210> 855
<211> 323
<212> DNA
<213> Homo sapiens

<400> 855
tttttttacag tcacatgaaa aataaacatc tttatttttt tgcctacttt atttcatttt 60
ttcaaataaa atttaaactc gtacaaagta tactgttaca gtatatattt tgtaagaatc 120
aatgcctaaa ataatacaca tacttcaata agcagtacag cagacctcgc tagttttcag 180
ctttgatatt gaacaaactc aagccggctg atgcacaaca cgtttgcttg gtttccacat 240
ggtgatttcc cagcactgag atgggagaa atgacagcaa atatggtaat attacagccc 300
gacacactgc gtttcttcat gtg 323

<210> 856
<211> 418
<212> DNA
<213> Homo sapiens

<400> 856
aaacaaagag ggattttatt tatttacaag aattctggag aaggatggcg gctggtattg 60
gcttggtgaa ataatgatag ggtcaatgac tctgtgattc tcttggcctt tttgtcatgg 120
tagcaaagtg gctgctgtgg ctccaggcat cacacctca atcaaggtag gaagaagagg 180
cccagggagg tgtagccat gctgtgtct tttattggaa aagctttccc agaagcccag 240
gtagacttcc tcttcaattt cattggccac acctgatcac atagccatcc taagctgcaa 300
aggagactgg aacagtgaaa atctggattt acagcctcca cagttggagt ggctggagat 360
acagagttgg gacgaccctt gaaaagtgaa ccaaggctcg ctgcacggct gccctgga 418

<210> 857
<211> 317
<212> DNA
<213> Homo sapiens

<400> 857
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ctccagtggg atctcaatgt cagcatgagt ccggggctgg ctttccgccg ggacctcct 120
gtcctggcac atggcccacc ccagcacgaa gcctggccgg gagggctcag gtgggtggct 180
gctaggccag gcctccccag aacgactgcc ccatgtccag cctgtatctc ctgagtgcc 240
tgctgcactg gggagggaca gggctggctc ggggctccag gaaagatgcc tcacatgtgc 300
ctagaaatgt aggcgtc 317

<210> 858
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 858
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 catggttact attccaatct ttcatgcaga caaaaataaa caatataaaa tacataatgc 120
 actttgataa ttttaaccat acataaaata tggagtaatg gaagctatgt tacatggata 180
 ttttacaaag gaaaaaaaga tgacttttat aataacacat ccagatgaaa tttatcatta 240
 aattttggat ttcatatgat gttaagtatg gatataattca aaacaattac tatttataga 300
 accaatttga tattttgtca tttaaaataa tgaatactat gtaaattgagt acttataaaa 360
 atatttttag gcaaaaag 378

<210> 859
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 859
 caaaacaaga caatgtttta attgtaaaac taactcgagg catgggtggg cgggctgggg 60
 ctgcgctgac cgggcaggaa cctggttctt caggcagtgg ttctgccagg gccaccccg 120
 aggacaggga ccatctgtcc cccaataagg gcaggggcta gagtgttata aaatgacaat 180
 ataaatagac ttctagaaa 199

<210> 860
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 860
 ttttttagtt ttttttcagg tgaatatggt tttattcagc aacagctctc atcaacagct 60
 tacactagct ctctcacact gtccacctgc cttggctgct tgagcccgtg gttcccacac 120
 acagctgtgc agcctgctct cccttgccctt cagggtcagc agcttaactt tttctctctc 180
 tgggcgtgac aacctgagct gtgtcctggc tccttcctgt ccatctgcaa aacggacagc 240
 tttggctctc tctctctctt actgggcgcc agtgtgccc aacatgtcaag ccatgttgag 300
 ctgagccgaa cccaagagc ccctgtacag cattagcagg acaattacct tttacagaca 360
 acagtggctc agaccaagta tgaacttaca caaacagggt atataacaag tggaggtgtg 420
 tgccctgtgca ccaaaccac tgagtcatgc aggcatggat c 461

<210> 861
 <211> 311
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 861
 tttctccagg gagttttatt tcttcagcag ctgtttctcc catgcctggg cttgtgctaa 60
 tgtggggcct gggcgagcgt ggggtcgggt gggcatctcc ctgagactgg gcaacctcag 120
 gtgccccagc cgagttcctg cagcccgtt tggccccagg cagtccctgga gagggctctg 180
 ctgttttctt tgccctgctg tgacgtgata gcagcccctg cctcatggcc tgcattgtgg 240
 ccggctgggc tgtgctgagg caggttctag aacagtgatc tgatagcatc caaggcagac 300
 catgtgggtg a 311

<210> 862
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 862
 cacaaaggat ttgctgtaag tcttcaagtc attttgtcca atccaaaagc tgtattttaag 60
 cgctcgtggat cccagccagg gatgcaagaa tctgactttc tcaaacagat aacaacagtc 120
 gaagaactgg aaccgaaagc aaataactgc actaaggat tcatcact tgtgctgccc 180
 gacctcgagt gtcacatga agagtgcgct acccaagcta tttccttccc cttcagggtc 240
 tcgtgtg 247

<210> 863
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 863
 aggatttcta ttcattttta ttcattcctc caaagagcac cacaggccaa ccacaccctt 60
 gatgtgtcct tcatggttcc ccactgcagt ggacacaaat cctccctca ttatccaggc 120
 atggatggaa ctctgctgtg gtgaggaggt tgtctgccc actcaccctaa gttttccatg 180
 cctgttctgc ttttgatggc aatgccaaaa ttcatacat atttccttga attcctgcct 240
 tcaagggtc 249

<210> 864
 <211> 337
 <212> DNA
 <213> Homo sapiens

<400> 864
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 gctatattag atggctaacc caaaattggt tcttggttta ttgagtaata agtatggttt 120
 aaatggccta aatactacat attttaaaag ccttgatgct ggcagagctg cactgaggat 180
 ctgtgttttt aagaagtgcc tgggtcgggt aagggtgaaat tctaaactgg aggacacatt 240
 agtcagttta tctctctaaa cttgttcatc caaaataggc tttttaataa acaatttagc 300
 ttatacttca aattaataat cccccacac acattct 337

<210> 865
 <211> 305
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 865
 gctcagtga gatttattgt tatagaaggc aactaatata atagatttgt gggctcgaaa 60
 ttttaaaaag ttctaaaaag gcagttaaag cttgacaata aacttgagta aggtttacac 120
 aatatcaaag tatattagtt ctttgaaatg aaaagggtatt tttttnctnc ctttaacatt 180
 gagatgtctg agatgtcagg attttgtagc attccttagaa acaacatcca ctgtgtggga 240
 tacttttttc ctttctggag ttttaaacca gtctgactct ttggttgtgc ctatacaatg 300
 aaaag 305

<210> 866
 <211> 475
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 866
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 gcgccgtggg aaatacagag aacacaggcg gtccctgccc acgaggagct cacagtctag 120
 aaagggcagc aagacagtac acaatcagtg gcagcagcac cagccagagt ggcaagtgct 180

caaagcaaga cacaaagtgc tgtgcggttc acaacatcat ggggatgctt ctggcagaag 240
 cactggaaag gagacgagga ctcaggctgg gccttccagg gaggggaagcc atttgggaga 300
 agggcatctc tagcggagag aggtccatct gcagagccca caggtcatgg gaaacatgtg 360
 gnctgcaggg agagtttggg ggacanttca agtatggnet ggggaggtng acagccacgg 420
 acattaagtt caggagattt tganccttnt ggtctgggtc aaacagccac tncag 475

<210> 867
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 867
 ttttttaaaaa attgtttacc ctgtacatgt ttctattgaa tcctaagtac gaatgcccaa 60
 ggagataaag caagtgcagt taagtatgca tgggaaagct aaaatgggta tgtacataag 120
 atcggcaaag gaaaccaagt tctgtaaaat gagttctccc tcccctccag ggtagctgat 180
 tatgaggaaa ataagaaaga gctttgcttt tctccttagt agtaatgggtc tacaataagc 240
 tgcacacaca catccctcat cacacctctc tgctcaaaa 279

<210> 868
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 868
 tttttttttt tactttcatg caaaatcttt atttggaaac atgtatgtta ctgagcaggc 60
 cagccgccat cctgaaatag caaggatatt tacactgtgc agagaaatac aagagcttct 120
 tgaagacatt catctgtgct ttgccggcat tttatctgct actttgtcct gcttctctct 180
 tccctgtgct cattattctt catgcaccct cacctctcat caccttaagg catcctgtac 240
 cagcctgatc tgggggcat gactgcagcc ggcaatcggc aattaccaat ggtgtcttct 300
 tgggaccctt tctacctgtc ttaggtatta atggtgcca aagaaaaaat gaagagatga 360
 aagtttctgt ggtagctgg gcatgggtgg tgtgcacctg tagtcccagc tactaaggag 420
 gttgaggtgg ggatagtgtc 440

<210> 869
 <211> 252
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 869
 nnncccttatt ttccttcaaa aaatagttta ttctgcacat ttcctagtag gctctctgcc 60
 caccgttcca gggtagcagc tactcataac ttgtctttct ctccaaaacc aagagggcct 120
 tccaacaga aaaaccttca gttcccaaag cagcatcgat tcttccctc accccagcaa 180
 acctcggggt gggaataatg aatcattcac cttctccac cctcactgc cccgccccac 240
 cttcatttgc cg 252

<210> 870
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 870
 cttcaacaca gcagaaattt atttcccacc caggtaaggg gaccctgagg taggcagtga 60
 cttctgtcgg cagcgaacta ggccctctca ccaggctgcc ctaccgtgct cagtgtctgcc 120

tcattggtgca	aagtgggtgc	tgagctccag	tcattcacttt	agccngcnga	anggggaagg	180
gnangggnaa	aanntttccc	ccccnctngg	gggatttctt	tncnnncccc	cagtnaggat	240
tttnggttta	ttataaggna	agaagagaca	gtagcngag	gcttccctgt	ccaccagg	298

<210> 871
 <211> 477
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 871	tataatttct	gactgaatct	caaaattagt	tggggcattg	ggaaagaatt	taatttgact	60
	tttgagtgt	aaccaaggat	gtatttcttt	gaaaagataa	aacaagaggg	ctaattcatcc	120
	taaacaatgaa	tgtctgcaca	gattgaaatt	cccaagatgc	ccaggagccc	agcctttgca	180
	cagcctccag	caccgacatt	atgtgtgttt	tcaaccactt	cccccttata	caaagggata	240
	tgtttgacaga	gtttctcaat	gggtgaccca	agcagggaac	caatccacgt	ctttgatcag	300
	agactccaga	gggggtgtac	ttgaccaggg	gtgtatttgt	tgggagaaca	tggtgtccag	360
	agcctgtttc	tcataaggatg	taccattggg	agattgttca	gagganggga	tggtctgatg	420
	ggnccatctt	cagggtaaag	caggctcttc	gggagagcac	ccggggntgc	aatntag	477

<210> 872
 <211> 397
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 872	tctttattgg	aaggaaatgt	gttaaagaca	gactcactac	agtgttgaga	cagtagtgag	60
	tagcacagta	aggagactgc	ccaggacttg	aggtccttgg	tccctctata	gaagtatcaa	120
	gtgtttgtaa	aaggtttagc	acccatgtga	cagaaagaag	ccatcatcct	cttaatttct	180
	cttgggtttt	acttaataa	tagaaggcca	aactagtggg	gcctctgagt	gcaagatgag	240
	ggacttcatt	aggaataaag	ncatattgcc	tctggggntt	ttctaaccga	taggctccaa	300
	ggagccctca	ggtgtcagga	acataggggt	aagggggact	tggatttact	gaggaggacc	360
	ccctaccctc	accaacatcc	tgtggggaca	ataggag			397

<210> 873
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 873	aagaacgtca	gctcctttat	tattattatt	attattatta	ttaattattt	actgttattt	60
	accctaaac	aacagcataa	ctcaaataat	aatgacacac	acgtcccgcc	catatacaca	120
	ataccactag	cctatctgtc	aggctatctg	gcctttgctt	ggttcctgat	ggagctgtct	180
	ggagacagtc	cctcctgtaa	aaatcccagc	ttaaacacag	gggacagaag	aaagggggga	240
	cctaggtcag	atcataaact	gacaggctcc	cagcgtcctt	agggagtgtc	aatgtggaaa	300
	cttttgagaa	cgtgctggac	acatctgggc	agagggcaga	aggcactggg	ttgtttttat	360
	gtggttgatg	gataaattcc	atatggggga	tataaggac			399

<210> 874
 <211> 408
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 874
 gaagcggagn attactttat tcaggcaggg actagccagg cagggcacag cgtcagcggga 60
 tgggggggagt cagcacatgg gagtgccgtc acctccatta gccacagnca gacggccagg 120
 aggngtgcta ctgcagtga atggtgcact actgcagtga ggtggcgag ggctggtgag 180
 cttgggcaca aaagccagca tgtcaccctc cctttggaga agcctctggg ccacaggctt 240
 tttccagctg acgggatgag gaggggaaggg gacctagtac tatcgggatt cagctgactt 300
 agcctatnga gatggagcag gcaagagatt ccctttgcag ggtgggaggt tatattccta 360
 cagcctccat tcttgagta aggctcctt gccacacccc ttttcacc 408

<210> 875
 <211> 454
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 875
 taaaacagca tacatttatt atctgaaagt ttctgtgggt caggagtcca aacgtgattt 60
 agctgggtcc tctgctcaga gtttcacaaa gctgcaagca aggcgttggc tggggctggg 120
 cttttatctg aggttcagat gcttcttcca agatcacatg gttgttcaca aaacttattt 180
 ccttgcagcc gtagagctca tggcagcttg cttatttaag gctaatagga gagagagtct 240
 ctgactgggt cactctcttt taaaggacta gtctgattag gtcaggccca cccaggggat 300
 ctctttgatt aactcaaagt cagctgatta gaaaccttat gtatatctgc aacttctctt 360
 cacttttggt atataacata acataatatg gggagagatg atcccatcac tttttggcca 420
 taatcnggtt gggttaagaa gcaggttaca tggt 454

<210> 876
 <211> 247
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 876
 ggtgatgcag atttcaacag taactctgga aaactgtgaa aaatgttatt taaaaatata 60
 tatgtatatg ctactgacag tttcaaagat gtgattcata aataatgttg gctgcactga 120
 ttaattttat aacaattact gcacttccaa gttgatgcga acacgcagna cntcatactc 180
 aatattagga actagtaata tccttcaggc gtactacagt tttatggttag ctgtattgta 240
 catatat 247

<210> 877
 <211> 365
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 877
 gttcattttt ggagtaggtt tccttggtgg tttttaggac atatttggtg gtaaacctat 60
 aacagttgct tttactttca gtgatgtact ttttnccttt cctgcttccc agagatttat 120
 cagaggagga taaagctcac ctaatgcaaa ggttggtttc tgtaagtaat tcctcacata 180

gctgtgtcca ccatcacagt tcatttctgg agagaggcag ctgataagac atatcacacc 240
aataatcccc agaaggcctc caagacaggc cataagtgtt gtggtattat tcttttcata 300
ctctttttga tcagggtgca aacctttggt ggtgacattt acacattttt ttctgttttt 360
ctgat 365

<210> 878
<211> 322
<212> DNA
<213> Homo sapiens

<400> 878
cagatacaaa gcagtattta tacatttatt tatatatgta tatttacttc agaagaaacg 60
aacattttcgg ggacaggaag caagcaggcc cggggctgct tccctcactg cccacctcag 120
agtcagagtt ggcacatgac aaataccaag ctcagggaga agaactggga gttaactggg 180
aagtaggggg cgctctatgc acacgcaggc ttctaagggt gcacggtatg ggcaggagga 240
tttgactggt gagggcctat gtacagcttg aagctagggg gagattagcc cagtgactac 300
aggaacaaac gccaaaggag ag 322

<210> 879
<211> 321
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 879
caggttccac cagaggcttt tatttcagcc actcaggacc ctggctttct gtcceaaggc 60
actgaacaca gtcaggctct tctaaacact ggcagggacc tccccacag ccacccccac 120
agggttctct gtttcccaag tcctgatgga ttcaggcaag accttcacac attcaccac 180
tacctgctgg agaggagggt catgaggcag cctgtggtgc ccagctcagt gtgacacact 240
gccaatgtgc cgctcccc agcctctgat ggggccgggn cttgaccacg tgacaggctc 300
aagctgccgt gcacatcccc c 321

<210> 880
<211> 259
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 880
cacctggcag ttgagtcaga ttgtaggaaa attaaccag atgggtctac atttttnttc 60
aagttcaaac cacatggttt cctagtcaga aagtctcatg gactttcttc ctaagctggt 120
ctatgatcag accacctcct aaatgtggct tttaccatt acaggctaca gttgaatcag 180
gcaggagcag ctgctggaga gcaccagcc gacagacctg cattccagaa gcagcttgga 240
gaaactggga agacatttt 259

<210> 881
<211> 471
<212> DNA
<213> Homo sapiens

<400> 881
tagcaatata aagaaagatt tattttcaaa agtagcaaaa cttgtttgaa aaaaatatat 60
atctttaagt gaattacttt ataaatgtga ctgtcaaagt cagctatcct atgatctaca 120
ttttacaaca tattgtacaa aagatacatt gataggctct tatctattta tatatttata 180
attacatatt gcacttggac cagcaaggct tgcagagtca ttcacggtag aagttaataa 240

agttaaatag atgggaatct ttgtaagtac aattgatctc ctctggtttg gaaacgaatc 300
 tcctcgtcgt tgtaaagtgt tctcgcgggg tgggacagag agaggagcat tgcgaggggg 360
 aagcagagac agagagcact gagggcaggg gtcgccttcc cggggcccgc tccccccggg 420
 aggcggcctt tcccagactc gcacctccaa ggtcaggacg cggtggttcc a 471

<210> 882
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 882
 ttgccaatga tgttgagctt tattaatggc ccctctccag aggtgctca gttgtcccca 60
 gggaaactcct cagagatcct ctgccttccc acatatgagc ccgaggacac ctcgaggagca 120
 gagaagtgaagggtttccg ggtcagacgc tgcactccac gcctgcgtcc tcctcgtaggc 180
 tgcagtcattg atggccccag ctattcttgg tgcagctcca caggggtactc tccgtgcccc 240
 gacactgaac aa 252

<210> 883
 <211> 323
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 883
 gtgacatggt ttttgcttta ttgaaattct ctcttacaaa aggtctgang tatttttaggc 60
 caggcctaatt ttgctttggg ccctgaaatg caggcccatg gtcatttcca tgcctctga 120
 agtaggtatg taaactagta gacttccatt ttttaagggtc acacactttt taacattggt 180
 tttatttgat gtaaaacaag acttatgttg tccctaattg aaagaccaag taagagagtt 240
 atgtgcgtct tcatggaagg gataactgga ttctttgcca gaaccggggt gggaatttag 300
 tttgttcaat gtggcatctt tca 323

<210> 884
 <211> 420
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 884
 catgttggtcc ttttattgtg tcaaattata atgatatcat taaaatcctg ctagattcag 60
 aaaaaactgt agggagcaaa taaacaattt gactttccaa atgatgagga aagttattga 120
 atttaccaaa cataaatata aaaatagtat tttgttgat aattaagact tatagctaga 180
 gaagtagaaa tgtacacaaa aaaaacattt ggtatcaata atttggttgt gcattcattt 240
 attcagtcaa caaatattta gctgagcact ggctagctgc caggtattgc actaaggacc 300
 caaagatggg aagagatgat gtccctgccc tcatggagct tgcagtcgtg ttgagcagac 360
 tgtcaaacca gatttaggta aggcaatgtg acccagtgcc catgntacca aaccagggat 420

<210> 885
 <211> 403
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 885
 tttttttttt tttttttttt tttgcattgt tttacatctt aagcccttta ttgactacaa 60

tgcagaacat	tttatttttaa	gacacagtgg	gttttgTTTT	tgttgatggt	ttcaccaatt	120
caactgaaga	cgaaagcaag	acaatcaa	ggtaactagt	agcagcctat	cagtaaata	180
gggcaagtat	agagactggt	ctttggactg	agggttaa	aattagtcaa	taaaggcttt	240
tccactgtct	aataattata	acatatata	agtcgcaaaa	tagtggtgga	tgggactcct	300
ctagaaataa	ctaaagcctt	tcattttata	catgaaatag	ccacaaaatg	tagatggggt	360
acatcaactc	attggggattt	gcccatttaa	attacnctga	gat		403

<210> 886
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 886	tgctggggcc	acgtgggcat	cctctttatt	ggtgcttcca	agggtgctggt	gcagagccct	60
	tggctgaagg	gcctggactg	tgggggaggg	tggcagcccc	agagacagca	ggggagagga	120
	agcgttctgg	cataaaaaaa	gagttcctgg	gtaaggctcc	tgtttccgag	cattcgggca	180
	gcaaggggag	tggcgcacac	ttctcagccg	aagacactct	tgggtgggtcc	ggctttgggc	240
	ttctcaaaga	cagtctcggt	acctgtgcgg	gtgcggctga	acaccgacgg	ggcggccgag	300
	cagcttgctc	acactctcgc	atgacctggt	aggctctgga	cttgatttcc	tgggt	354

<210> 887
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 887	tttttttttt	tttttttttt	agttctaccc	atgtttattg	ctaccagctg	gtctccctcc	60
	accctctcat	atttacaccc	aacccttcc	ccaaagctag	cttttaccaa	agttcctggt	120
	aggaggtcaa	gaagtgtgtc	cacttagccg	gcagtcctag	atgtagtgga	cgctgtttgt	180
	ccccaggcca	gttgggcacc	aggaagggt	actctgggga	ttcagggcat	agacttcgta	240
	ctgggggtcaa	gggaggcccc	cactcacaga	tactctcctt	tccttctggg	gctcaatgta	300
	cacaaaacc	ttcagaaagc	aaagttggag	tgggtggaccc	ccaatgtcaa	gtttagtgt	360
	ctctttgctt	gtgatgaccc	acacaagtgg	cca			393

<210> 888
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 888	cagaggtctt	gtcttggttt	attcaggctg	tattgagatt	gggaggatgg	gcaaaaacct	60
	gggggtgggg	ctggcaagga	ggcagttggc	ctaacaggac	agagctgagg	gggccagggtg	120
	ggttcaggga	gggcaggaga	ctcggggctt	catatccggt	ttctgcacac	gggcagtggag	180
	cgggaacttg	gtgatgccac	aggtattgct	ccctcggtgc	agccggaaat	agcccttctc	240
	tccccatttg	gccccccagg	agttcttcag	gatccagtat	ggggtgggggt	gtggaggctg	300
	aggctgagac	tgcatgaga	ctgtctctgc	ccatatcc			338

<210> 889
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 889	tttttttaaa	attgaatcac	ttattttttt	ttaaagccct	gcatagaaat	tccaaggta	60
	tcaaaaacaa	atgagagaag	ccttattcat	tacattagcc	agaatgggt	gtggacgtga	120
	acattctgga	agggtgacgc	tgatgacttg	agaatgtcta	aggcacactt	tgtgttcttt	180
	gcaacatccc	atgagcaagt	acgcagggga	ctgtgtcctc	gggattcagg	ggagctcttc	240
	ctttccctgg	catggccctg	ggtgcctggt	gaccgatatg	cagcaccctt	gggcagaact	300

ccgtctggat tcagtgcacg ccctgcttgg gccagcacag ctctcgtgca aaagcacctt 360
tgcagcttct gatcgcatcg tcgagctcta ggcacttggt caggcctggc actgcagat 419

<210> 890
<211> 427
<212> DNA
<213> Homo sapiens

<400> 890
ttgacattac aaagtatttt aattctttta acttagtcca gacacaagaa gccagattat 60
attttaggtg tcgacagaac tattttttta aaatagcaag ttcaggtgag ttagtagtca 120
tgaaaattaa aatgaaatac caattccatt tcctcgtgta cctctttgca aatgtcggac 180
aaagcagagt ttataatag ttaataaact tgtgtaacaa cgggtggcttt ggtgtatctc 240
taaagtggag tctttaaatt ataaaggatt ttgtgtgctt gaaatcattt tcaactcattg 300
tcgtggcttt agatgaagaa ttactcttct ggaaggaggt ttcttttgaa aagtagcctt 360
tcctctgagc atagcataca ccaaggccac aaacggaaat cactaaggcc acaactacta 420
cggctgc 427

<210> 891
<211> 380
<212> DNA
<213> Homo sapiens

<400> 891
tttttttttt tttttttttt tttaacttcc tgaaaactct ttataataat 60
gcaggacaac tgtatatagc aaacgccttc aaaatttaaa ctctttaaac atttaattct 120
tcagcattaa tacacacaaa tgcggttaaca ggggtcaggg ggggtggtgcg ggggcaggtg 180
ggttacagcc tccactggga tcagggttcc aacagtgtta cttataaatt atattacatc 240
aattttatatt actgatctag gcagccagag ggtggaagga tatacaatgt ggaggaaaca 300
cattcatacc ggggtgagga gtgctggcgg gagacacggc tctttaacat gaaaaatgta 360
taaagtattt agcaaaagtt 380

<210> 892
<211> 383
<212> DNA
<213> Homo sapiens

<400> 892
agagtaaaaa aggagtattat atatttataa atgccaaata aataccagag gccacccaac 60
gccccctccc agacagggct gtctccccc gccctaggct tctaggggtg gagacatctt 120
ggccccaagc tatagcccaa gagcagctgt cagtctgtgc taccaggga ctgagtgagg 180
atgatctgtc cagccaagtt tcaactcccc tgtgtgaggg gcccccatag ccacaggcct 240
gggtccctgt ataggacct aagggtgaaa gactcagggg gagaaggtgg ccatctcgag 300
tgagaccgc tgccacagct ccttgggtctg tttgctgcgc ttgaggttct gtaggatgtc 360
gttgaactgc atcatgccc tg 383

<210> 893
<211> 412
<212> DNA
<213> Homo sapiens

<400> 893
tttaacaaaa tgctttattt ctatttttaa atgagaggca ttcccatgaa atatcaaaag 60
gcatttacat gtgttggttt aactcttctt ttttgatcac acaaagtagg tagaaaagat 120
ctgctgaaat agagcaaatac agaaaccaag tagtgtaagg cattaggaga tacatgaaga 180
gaatcgctat ttgcttcttg tacagcgtgt ggcaagtcatt ggtagtagt catcgtagtt 240
gacgtggct ccatgcctaa agccgtaggg gtcggggga ccaattgcag agtcttcac 300
atagtgcgt tggtagtaat cgccatagta ttcatgtcca tttcgatctc tgtaagcca 360

ataggtgatg tcattcttcaa atttcgcttc gtcaaagccc atgtagagaa ac

412

<210> 894
<211> 451
<212> DNA
<213> Homo sapiens

<400> 894
tttccacaaa aatgtaatat acatttaata gcacattata aagttcctga ccaaagacgt 60
tgatttccta attataatag cacagaaatc ctttagaatt tagtaaactg aattaagact 120
attcagaagt aatgaaaaac caatatgata aaaacaaaaa tcctccagta aagaaggaaac 180
ctgtccattt gagagaaata caattgagaa cttgcaaatg agacaaggga agatggcaat 240
ttggaaactgc aatagaaata actatagcag aaacaacat ttaagaagtt ttagcagcaa 300
taagtattta ttattctgaa tgaaatgtac agttgacttt tatataaaaa tcatcaaaag 360
tgctatattg gattatttta ctattaattt aacccccaac agcatctatt agctataact 420
ttaatgggtt tttctttact tctgatacat c 451

<210> 895
<211> 376
<212> DNA
<213> Homo sapiens

<400> 895
gagttatggt agtcatgaga gcatctgata gtcctctgt gactcatcca tttattttaa 60
tgacatctga atatgacagt atattgaaaa aagaatgcat gttattttatt ccatactggg 120
gaagtgccac tataacattg ttttaaaaaa tcttcaaaaa tttcctatta gaacctatca 180
ttgaattaga aaagcaagct ttgccaaatg cctgattatg cctttactgg tcctgctagc 240
tggcatgttt caccaacttt tccctagtgt ttcctttggc actgttgagc ccacactaca 300
aaacatgaac aagtcccaca aaaccacact atgccctctg cttcccatc atgtggggac 360
catctgcctg gacatc 376

<210> 896
<211> 381
<212> DNA
<213> Homo sapiens

<400> 896
gggggtgaag agtttattta ttgctctgcc cccttggcac agcaagccca ggctctacca 60
gcaacgatag tcgggatagg tctcagacac aaactcagga tggataacat agttgtttct 120
ctggggacca ccagacttct tgaagtgact tgtgtcccat ctaagggtcg gatatgggta 180
gtatgacggc gggggagtgt taacagcaca ctgcattccg ggccgggtgt cgtagggagg 240
tacacatagt cggttgctcc cggcaccaag gccgcacgtg cggtcaggtg cagggcgccc 300
cgctggcagt agtagtccat cccgcgcaga cagtagtggc ggcccagca agcactttcg 360
taaccatgga agggcagggc g 381

<210> 897
<211> 457
<212> DNA
<213> Homo sapiens

<400> 897
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cttgacttgc ttgtgcttgg ggggtgccc cttgaggcag acggagccac tgtgatgggt 180
ggtttcttat actgggcact tttgaggtgc tcctccacca gcttgggtgt gacacagatc 240
acgtgctggc ccttccagta cttgaccata ttgagggtatt gcagggtact gatgatgtca 300
ttttgggtga tactgggtcat ctggctgagg tccttgatgg acagtgtgcc ccggaagtcc 360
cgcagatctc cagcagcacc caggaccagt agctgcggta actgagcttg cccaagtccag 420

acagcggcctt ctccggggag ccgactgtgc tctccag

457

<210> 898
<211> 514
<212> DNA
<213> Homo sapiens

<400> 898
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gcatgcatga acagatgatt cattcgttta acaaaaacac caattgatac tgagaacact 120
aaattattaa atttccaaga catataaaat tctctttaag ttaaagttag aaagaaaaaa 180
aaatcacaaag ttgaataaat acagtgattt cagctgggtcc aatgaaagca taaggcacia 240
attaaaccaa gggactagcg catcagaatg aagcttgtct ggcccacaca agtctctcag 300
tgtggctccc acgaccctgc acagatgctt gggaccaaga ggaaagagca cctgcaggcc 360
gggaaccctc ccttccaggt tcaagtttgg ctgggtgccc atgcttcttg tggacaggcc 420
tctctgtatc agagaaacgc tgcctctaact acttttatgg gtaaacaaaa ccttcatgct 480
ctatcaaaca atcctggcat gaataacatg aaac 514

<210> 899
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 899
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ttacatcaca aaaactttta atgtatttac agagtgaata agttacatag ataaacyctg 120
aatatgtttc tgcagtgcaa caagttcaca tgcacacatc taacacttga cagcattaag 180
ttaaggagag acttaagatg gccctttaca tatatmttvc amataanmta tgacatcgaa 240
gaaacaagta acaactcata ttttacytta tgattctact tctgactatc caaacagata 300
ttaaaaatg 310

<210> 900
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 900
ttttttttt aatctggtaa ttttatttaa tatttaccat tcagcagcaa ccaacatgaa 60
catgtgggct aacagaatcn cttaaaatgt tctgctatgt agctgcttca gaaatacaca 120
cacatgataa attcaagata aattcaactg gctcactgcc aaaatttttt ttaaaaaatg 180
gctccaagag caaataacac tgatttataa tgtgcccag cactacgtca acaaatctat 240
taaattacac aggaaaagga aatcaaggaa gctttgttat cttatgcatg tcatcttatt 300
taaattgaag gttttacttc tttaaagcaa cagaaatatg gagcttcaca tatatatgta 360
tatatatatg aatgtgggta caaacacgaa ggtttattca aaagcaaaag ctagttcaaa 420
aaatttctga ctgcaaaact tggcaagat 449

<210> 901
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<223> n=a,t,g or c

<400> 901
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ggcggggccgg tacgcagnga tntcgggcgc tgtgnganca cgtgtatttg aactctttct 120
cctgcacgcg gctgtccagg tagcggcgta cgcgangctc cgcgggggatg ggcgcctggc 180
ggaagtgcgc gcacaccgtg tcgacgatgt gcagcttggg caggaggctg cagtcggcca 240
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ctggtacagg gcttcgtcct gcgcgggcac gggttcttga tgaacgcgga gaattgtgga 420
aaacgtcgtt gccggcggtg ttggactcct gtaagagcgc cagctgggga atcggcgggc 480
caangtctct caggaatcng atttnaacgt 510

<210> 902
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<221> misc.feature
<223> n=a,t,g or c

<400> 902
agactttatt caaagaccac ggggggtacgg gtgcaggaag gggaggaggg gctgggggga 60
ggccaagnaa ngaagcatgn caccgaggtc cagcttcacg gtatttggag gtagcacggt 120
gtcacagaa agcaggaact tgtccaggga ggcgtcacc aggggtgaact cggcggggag 180
gtgggcgcca gggtcaccag caggcagtgg cttaggagct tgaagttgac cgggtccacc 240
caagcttgtg cgcgtncag gtcntcaggg ngacangcgt tg 282

<210> 903
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> misc.feature
<223> n=a,t,g or c

<400> 903
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agcttgacgt gcacaggcag aggtctctggg tcagtgcagg aagcagagtc accgccagt 180
ccttgggatg gggatcacag aaggtgacct gtggctgcat gagccactgt aggactctga 240
cctcagtggg acaggatgac acaggcagct aggaattctg ggcaggggca ggtnggcatt 300
a 301

<210> 904
<211> 341
<212> DNA
<213> Homo sapiens

<400> 904
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acaatctgga tgttgacata gaaatgcaaa ttctactata caaaggtaag gctccaatca 120
cagtaacatg gccccatat ctctagtatt tcaatgaaat aaactcattg tgaattcacc 180
ccgagttgtg ttataaata ttagacaaac cacaaaatat attccaaata cataacattt 240
tacaatattt ttcaagcaca gacaaataca tactttactt tacctacatt gttttcatga 300
tccaacttgc attagcacta aaggcaatat tgtgtgtgta t 341

<210> 905
 <211> 418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 905
 tcatttgcct tcacctttat tgaaatacaa aatgttaagc attcaatctg tactagtaaa 60
 ggtgtttctt gaagttgata aaggagggct gggctgcttg tggtttcctc caatatcaca 120
 ctttcattta tttcatacac caccaacaac tctcaatgct taaccatttt cagttgccag 180
 gaaagaggta gaaatatctt gtcattggaca ctctgttctat ggtgggcatt tggactgttg 240
 cctccggact ttcaaatgct tgctgaacct tccaaaatac ttctcttagg tggcagcgca 300
 ggaatatctc tggaagcatg cgatgagttg tgtgatgaag atgggaagcc ccttggtgcc 360
 cgtctctccc tgggacacgt tctctgggn tgtcaagatt ccccttctac aatccaca 418

<210> 906
 <211> 610
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 906
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 gcttggcaag gtgggggttat acaggagaga gattatacag gagagagttg gtctgaggcc 120
 agaacagttc aagggaaaaa gaaaagggag ctgatggatg ggatctgtct gtgggccctt 180
 caaggcctcc agtactactc tcgcctgcct caggttcctc cgactgatcc agttctgcac 240
 gctcctctc ttctctctgg ttttctgggg ccttctctc ctctctctcg cgttgcnctt 300
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 ggccagggct agagttccca gccctgatcc tcccacagag cctgcagttg gccctcctc 420
 gcctggttcg atgatgctga tgctgacagc acggctttcc tggggcccgt gntggaatgg 480
 gtggccacac agctgtaggt tccctggtec tgaggcctat tcagggagga ttagacaggg 540
 tggggggnag ggaagggacc tcgtgcgaat tttggctcga ggcaaattcc tatagtggtc 600
 gataattgga 610

<210> 907
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 907
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 catccataat tgcttgaatg ctaacttgac tgttacatgg acctgttaca aataatgaac 120
 aacagagcta ctccagtata tgactagtca ctgtgaaata aaaacagacc catggcacac 180
 atggaaatt 189

<210> 908
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 908
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 taataatata tagagatatg ggaaattaag acctatgaag ttttaattat ttgcataaga 120
 gtatgccctt gcatcataag aaaacatata aaaacagaaa tatgtttcaa acttgatat 180
 aacatatata tacatgttca acttgatcag gttcttactg aaattattta tttattttta 240

ttataacttta	agttctgga	tacatgtgct	gaatgtgcag	gtttgttaca	caggtataca	300
tgtgccatgg	tactttgctg	cacccatcaa	cccatcatct	acatcaggta	tttctcctaa	360
tgctatccct	cccctagccc	ccatcccccc	aacagggccc	cagctc		406

<210> 909
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 909	tttttttact	gaaacaagaa	actctcagat	gcaagtcaaa	aagcagaaaa	tattttacaa	60
	tattaaaaag	tcattctgtag	ttaggttcgg	catattaatg	agatcctgag	cactgagcat	120
	ttatggacaa	tatggccttc	gtttgatgca	taaaaaggaa	attcaacaca	aacacgttgt	180
	taaaaccgtg	ccagaagatg	cgctagagtt	ttctctcatt	ttaattacaa	tcagtgccag	240
	tatctgtatt	acctgtgaag	gcctccaaga	aagggtcatg	gaagcttatt	gggaataatc	300
	ctctcaatta	gaaaaaaaga	aagaagaaaa	gaaaatcaga	tccattgtgg	ttagaaata	360
	gatatttgca	tggaaaagtt	tttatctctt	ctctttcctc	tcctggtaag	taaagatttg	420
	ccattggta						429

<210> 910
 <211> 554
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 910	tttatgagca	aatccaaatt	tatttttaatg	tcattgtcatt	ttcaatgtgt	ttaaaaacct	60
	cataagttag	tgggagccct	agtttcctgg	gacagcatgc	cagaggtact	gaaatttgtc	120
	acctttctct	acaaaccccc	agcaatccaa	tccaagtcca	tagcttcaga	aagccaggag	180
	ttgtgtcttc	agtcagtcta	cgctctgggt	tcntgggttt	tccttncatg	gggaggggag	240
	atnncaanat	ttcaaacagg	ggaacaaaac	caggttgagg	cttccangct	caggggtctgt	300
	gtaagatgga	gcgaggaaag	acccactng	actccagaga	aaaaagggtg	aggtttgaga	360
	tggattatct	cntttacagc	tttggtgaaa	atgggaagaa	aaaagattta	caaatgagga	420
	tnccatttca	taggatggag	aatctcttca	taaatgaagg	ctccaggtcc	caaatggggg	480
	agggggcctg	actggacagc	ctgaatcnga	tgaggaatcg	gccacactgg	attanaacaa	540
	tctgaaaaat	aatc					554

<210> 911
 <211> 463
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 911	aaagtataaa	gtgttttggg	aaaaaaggaa	aaaaatctat	ataaaaatct	cttcacatat	60
	aaaatcctga	agaagggtga	aggtgagacc	cagtgcgagg	ggcgtgctca	gatatgcagt	120
	gtgtgtgtgt	gtgtgtgtgt	gtgtgtatcc	gtgtgtacat	gtgtgcacgt	gtgtcgtatg	180
	tgtctgtgtg	tctgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtggtgg	gtgcaagtgc	240
	acgtgtggcc	cacagagggt	ggggagaaag	cttggctttt	tacttccatc	caggagggaa	300
	ggagggcggc	tggctcctcca	gccttggagg	gtctgcagct	gggcgggacc	tctactcagc	360
	caggctgttg	cgcacgcact	ccttctcctg	gagggcggcc	atggcaagac	gcaggtgctc	420

cttcagctgc tcgatctccc gctcagaccg tgtctngatg tga

463

<210> 912
<211> 216
<212> DNA
<213> Homo sapiens

<400> 912
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acaagggtttg agggaagcat atctgacaca tgagcatgaa accaaatcac catgcttatg 120
gactacaaaa ggacctaagc ctttttaaact agactgtctc aactgtgcat taattatgta 180
tttagatata ggatatgtgc ttggggaaaat gtataa 216

<210> 913
<211> 239
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 913
ctaaatgctt taatttttttg tcacaaatat ttctgcatct ctcagtcctt tcttggttga 60
aaaaggaggg ctagtgatac atttggttaat ggcactttta aaangtgctt tggatatatag 120
aggnaacaat gtacttcnna ggnatgttaa taataaatta aggttataat ggttgccata 180
tcngagngaa tgnataagat tagtctcagc aaaaacaaaa attagtttgg aagtagata 239

<210> 914
<211> 216
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 914
ccaagaggcg agtttatttg gggaggggct ggtcaagtca tcagtgcaca ctgcatcccc 60
gctaagggca ggtcagtcga gtgtgtgggc cgcggggggc acaggcatag cagnaggagg 120
gggagtnanc tacccccacg ggnccacccc nagcccagtc caggggtngg agggaggggg 180
tgaccctgt cgaggtcctc aggcattctt ggctga 216

<210> 915
<211> 361
<212> DNA
<213> Homo sapiens

<400> 915
tttggggtag tatattaact ttattttgaa ttattatata acatggaata tgtcatcaaa 60
gaatgaatta atgaaaaacg tttgtagttc agttaagcag atgatttgca taggaattgc 120
tagtttttaag tcttaggatg cggacgtaac tgaattgtca attagattaa catagaataa 180
tcatttacat gtgtgcaaac taaaatgcaa ttttgaaaat aacacacctt tccgtacagt 240
ctttggtagg tgatgattca ttttcctgc tatgggtaat ctcatctaga tcaaatgtga 300
tccttctaag ctagacacct cttccctaca gtaagaaggc ctccatattg ttcaagctac 360
t 361

<210> 916
<211> 354
<212> DNA
<213> Homo sapiens

<400> 916
ttttgtgttt tttttttttg tggctttgac aatttatttg aataaaaaaac atgtatcact 60
tattgacaga gctttgtgtt caaggcacat tcatacccat ttcctcagca gaacctcaca 120

tccctacgaa	ttagacaagt	cagtcattat	tctgcagatg	aggaaactga	ggctccaaga	180
ggataagtga	cttctccaag	gtcataccac	tggaaacagc	aaagtcagag	ctagaatttc	240
ggggctcctg	agatatccag	aattctttca	ctgtgcaatg	ctgcctctcc	aataaataaa	300
tgaacaaaat	aaataaataa	agctttcaag	ggaaccctga	ggaatcctcc	ctca	354

<210> 917
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 917	ttttgtcgag	aggaacgcac	gtttttattgg	aagtcttggc	ggcaggggga	gtctgcgggg	60
	gcagggctgg	ggaaggggag	gcgagggggg	cgggtgggag	gcaggtggag	cgtgggagat	120
	gtcaggtgcc	aggggagtc	tggccggatt	ccatcgctcc	aggtgtttct	accgcctgag	180
	gtcggacaga	cggcggtatg	agctgcggaa	agttccctcc	tcttcacgag	gttccccagt	240
	cctctgctgc	tgggtgaact	tgcaccggca	tcttctgctc	agcacgatga	ggatgcccag	300
	gatgaagagg	atcccggcga	tgacgaggcc	tccgatctgc	agggactggg	agtcgtaagt	360
	gaacgggtcg	tgttcctttg	gactttctgc	cttggccatg	gtgaggagac	ccacacagaa	420
	aac						423

<210> 918
 <211> 391
 <212> DNA
 <213> Homo sapiens

<400> 918	tacactagca	tccaaagt	atgaaaaact	tccacacact	cagtcctcac	aacaaccgtg	60
	agggaggtaa	ggcagtgatt	atgatcccat	ttcacaggtt	gaagacaccg	aggctcagag	120
	aggggaaatg	actggcccaa	ggggacaaga	cgcattctaa	gatgtcaagt	cctggaccct	180
	tccctgcaag	gccccctgtg	gaaggaaata	gctctgctgg	acattcagcc	actgaagaga	240
	gccccccagt	cagaggcttg	gagaccactg	gaggctctgg	cctggtgacc	ctgggtctca	300
	agagaaatcc	gtgcggagag	ggaggggctt	ttccattcca	ctgatgagga	gctcaggctc	360
	ttgggacatc	gtggaggtac	tgggcaccgc	t			391

<210> 919
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 919	ggagacaatg	acaacggcag	ccgccatttt	attgccaatc	agccatgagc	cccgccttcc	60
	atacacaatg	acatttcatc	cccacaatcg	attaacacaa	ccatgatagc	catgaactcc	120
	caactcctcc	agctgctagt	gctcaacggg	agagtcctcc	ccaggtctgt	ctcattgcag	180
	agcccatatt	ctttctgccc	ggccagcagt	tactctctcc	aatgagcagg	cactgggtgca	240
	gtcttgggtg	ggcaccagtc	acccctatgg	aaatccttga	tggatgttac	aggacaggat	300
	tggatgtgag	gggtcttgga	aatggggctc	aagaatcttc	atcatgaggc	gtttctgcgc	360
	ctactgacct	gagatacaga	gaggaagtcc	catggacacc	aacaccagtc	tc	412

<210> 920
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 920	ggatttgcaa	atattttaat	tcacagaaac	tcaaggagag	ggtgggggtg	ggggctgggg	60
	tgggtgtgtg	ccgcccttct	gtctttatcc	aggccttctc	cagcccccg	aagtggcaac	120
	agcattctag	agacatgcag	tgggtgtgta	gtaccataca	cacaacacaa	acgacacagc	180
	cagcaacagt	ggctgggctg	gttgggtggg	ggcctctgga	cctccaagtc	tcaggctctg	240

tcacagagca gggcaggtct ggtccgctca cagggctctc acagccacgg gatagaggag 300
 ggacaagtgc tcagcccctt tgatgggtag ctttctgggtg gtgtagtagt ggatgacttc 360
 cgggacactg tcgaacggag ggctgttctg acccagaacg tatttctctt tggttttggc 420
 cagtttcatg tgcataaaac cctggttgct cctcagggag agggagtagt catgcttgct 480
 ggtctgggct gtccg 495

<210> 921
 <211> 543
 <212> DNA
 <213> Homo sapiens

<400> 921
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 tcctgtgggt ggtggtaggc cgacagatgg ggacaggaag ctgtggacga aagccccagg 120
 tcccgtggga gaggtgacag cagcaggggc acgcagccac gtgggtcccc aggggaatgt 180
 gaaggcggag ggctccaggc gaactgggga ttaaacaat atttacaggc agcaggggaag 240
 tgcccagcgc acgtgacggg ggcggggcgg gactttgggg agggcggggc taacggtatc 300
 gagcgagccg gttgtagacg tgggtccagg ttctgcacag gaatatcgag agcgtcatga 360
 acccgagctc gagtaggccg acgcccaggc aaatgcccac tatggaaata aggttggtgt 420
 gcagccactt ctggaggcct gcgcccaccc tcgcggtaga tgtggctctc tgcaggacag 480
 cgcaatgtct gcactgtgtc tgggacgcgc cagtgtccag cctgctgagc tgggcaagat 540
 cac 543

<210> 922
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 922
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 agaactagga atcaaatatt gtcttgact agaggtaatt gctaagctgg aagcttatat 120
 tgaaaactaa aatttccagc ccttgactat ctgtagttcc aaacatcaaa ggaaaatatt 180
 ggaacaattt atctatgtac agagagaggc aactcatggg taccataagc aaaataacct 240
 gagggggaac atttgatatt acaagaagt gtgagagttt acaagtcttg cattgctttc 300
 tattgtacat ggctctgtag taatgccaaa aataacaaaa ttagggcact tgctctggac 360
 ttctgcagt 369

<210> 923
 <211> 329
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 923
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 gaaaaaaaga cacaacaggg gcggcagccn gnggggctgg tgcagaaaat agtccctggn 120
 tcctntggcc ctgggagcct aaagggcagt gaggagaagg ntagcaaga ggcctggagc 180
 aggggaagtc aggtccctca ggaacccctc ctccccaga ggaaggagga agagggctgg 240
 agagtctgct ggagagtctg ctgagttcct cagcaactgc actncaggag ggtgcaggcc 300
 atgggttact ccttgccctt ntcaggggc 329

<210> 924
 <211> 443
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 924
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 aaggggtaag gagaaaagta ttaaaactga aaattttacct agtgaataag tggacataac 120
 aattgagaat ctatccactt catgtcactt atggaaacaa cacattaaga ttaaactaca 180
 tgtttgctag agtaggagaa agtatatacc acagggacca tcattactct agagtgggtc 240
 tatgcataac tcctcaaaaa gagggccatc gttgggtgtt atgtggctaa aagttgtgta 300
 ttttgggctt ctggagaacc ataaaattgg actcaaagaa tagtttcaaa ggaggtaaaa 360
 gaaggaaatg ncgtggacaa ttggaaggac atgggaattn aaatgggntt ggtnccccaa 420
 ntggcccctt aggtaaccca gag 443

<210> 925
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 925
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 gttttgtttt ggcaaatgtt tcattttgtt ttaatgactt cgggtccaata taaagaaaat 120
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<210> 926
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 <213> Homo sapiens

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 gcccgaagtg cccatagaac agcctcaggc acgacttctg tgctccctcg ctgttcccag 180
 agccatctgc caagaccagg aattcacctt tggagtctaa cttgttttct ctttttttca 240
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 gaaggataga ttcccataaa caatgttgct agcttgagtg agggtaaaca cagaaaggca 360
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<210> 927
 <211> 163
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> n=a,t,g or c

<400> 927
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 ctgggtatcct gctacaagga gcatcacacc atttgggcac atgggtgtgn tcatccacta 120
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<210> 928
 <211> 231

<212> DNA
<213> Homo sapiens

<400> 928
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ctattgtgct aggcaattga aagtaaaaag tataaagctg cattttgctg tctcagttag 120
gtttaagtca gggaaatgag gcatgcacac aaaataacga gaaagtagta taatagctgt 180
gatcattagt tatcaaaata agtgaatgag ctaataatca ttgttagaat a 231

<210> 929
<211> 457
<212> DNA
<213> Homo sapiens

<220>
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<223> n=a,t,g or c

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<210> 930
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<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 930
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cctgtgtgta agcagcagcc ccctcactcc ggcccctgca tcttgacaga tggagctgcc 180
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gttgctattc aggggacc 258

<210> 931
<211> 324
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 931
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agaacactgg cccaccacaga gcagtaacat cttttggacg gactcacata tgaggtggga 180
tcatttcagt ttgttaaatac ttacactgag tataggataa ctataatatg tattgcatta 240
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<210> 932

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<220>
<221> misc feature
<223> n=a,t,g or c
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	caaaactggt acactctcaa cgtagtctc gcaaattaat catcaaccac aattctacat	180
	atthttgacgc aaacagacgc caaactgtac aatgggttcan ttttgatcac aggtcaaaca	240
	tcangttttca caccatgcct gtaatagact tgggtgctgct tcctaaatgc tcagcaattc	300
	attacatggg cactggcgac tgggactgtg atgcagtttt ctcttttctt ttaaagtcca	360
	tcattctttaa cagcaactgg cttncnccgc cgcgcnactc tgccanactg ggatccc	417

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tatcccaccc ccattccccag cctcctgccc cgacaccccc aggcctccctg ctctggttga    180  
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<220>
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 cggcc 305

<210> 937
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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

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 gggcagcccc cgcccttctt cctgggggca ctgggagggc tcggtgggag ctcttggtcc 360
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 tttggccga 429

<210> 938
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<220>
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<210> 939
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 <212> DNA
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 <212> DNA
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<210> 941
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 <212> DNA
 <213> Homo sapiens

<400> 941						60
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<210> 942
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 <212> DNA
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 <212> DNA
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